

SEQUENCE LISTING

<110> Bangur, Chaitanya
 Fanger, Gary
 Wang, Aijun
 Wang, Tongtong
 Switzer, Anne
 McNeill, Patricia
 Clapper, Jonathan

<120> COMPOSITIONS AND METHODS FOR THE THERAPY AND
 DIAGNOSIS OF LUNG CANCER

<130> 210121.478C16

<140> US

<141> 2001-05-03

<160> 1926

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<211> 527

<212> DNA

<213> Homo sapien

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aacagagggtg	gggccattac	ccaccattat	tgtaaaataa	ctgtaactaa	ccaaaacaca	240
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actgttccca	gacggaaaac	tgggataaag	ggagccatgc	tgacagggcc	ttattccagt	360
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tggggctgaa	ccagaggaag	ccaggctgag	ccaagaagct	ggaagtatct	tgaacggctc	480
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<212> DNA

<213> Homo sapien

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actcgcaatt	ggttctgaaa	ttagaacgtt	caccatcgta	cttaaaatct	taggggcatg	180
aagagtcagc	tagaacaagg	aaaaagaaag	tcgcaggtag	taggtaagta	ggtgggcaca	240
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<213> Homo sapien
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<212> DNA

<213> Homo sapien

<400> 10

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catgcgggta	agttgaggtt	atcttgggat	aaagggctct	ctagggcaca	aaactcactc	360
taggtttata	ttgtatgtag	cttatatttt	ttactaaggt	gtcaccttat	aagcatctat	420
aaattgagtt	ctttttctta	gttgatgg				449

<210> 11

<211> 472

<212> DNA

<213> Homo sapien

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tactggaagg	caggagcagt	ttcttctttt	tcccactctg	tgctgggtac	ttgggagagg	360
cgaaataaat	accagactgt	ccactcctca	gcctaaggtc	cttctcaagt	cctgcacact	420
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<211> 371

<212> DNA

<213> Homo sapien

<400> 12

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gtccacaggt	acctaccccc	tgactgcag	caactttatt	accttaacta	gcacaraaca	180
gaggttgatt	taaactcctt	acactcactt	ctcaratcaa	tgaatgggca	aaraaacmcc	240
tcattggtct	gggaaggcat	gctgaraccc	gtttttgcaa	gtcctgagga	atggaaraat	300
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<210> 13

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<213> Homo sapien

<220>

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<222> (1)...(493)

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<400> 13

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caacctgctc ctcattattg taaacatgtg cagaatcaat atggcggaac ccagcttcta 300
ttgctaattt tgtgacctcc aaagctttac ttctcggaac ctgggttctt ccgagcgctc 360
agcaatcccg ccgagcttct ttgagacgtc ctcaggtgtc ctttgacgat gcgtcctcca 420
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<212> DNA
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ttaaatttat gaccaccgct ccttcaaggg gatgtagcac ttttccattc ctgtaccatg 180
tgatattgcc atctggataa ctgtcttctg aaatgcagtc acccaacttt tttagctgct 240
ctgtttcgag aaacagtgtt ttgcttaca tttcagggtt agatgggttg ttgaacacct 300
tgactattgt aggtgcctca aacacgttgt cctcagttac tagcatgcac acaaactctc 360
tttcatcact gatccttgca ttactgatag acaaagtgtg gttttctgag aggttcaatc 420
tgtctttgta ttctggtaca tcgtcgtact gcacactttt cttttagtag gatctgaagg 480
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<210> 15
<211> 421
<212> DNA
<213> Homo sapien

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<400> 15
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atctcttgtt ccttgggact ggggccagcc tcttgtctgc ccacttccct ctcattagtc 180
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atcatcaatc tcccctgccc ctctcttgaa gcccctaga tttggatgaa gagcaggcca 360
gtgagcaggg caaagcctgc taggagcaga atgaccttga ggatcctttg ctcagaactg 420
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<210> 16
<211> 236
<212> DNA
<213> Homo sapien

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<400> 16
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gaagtgttcc attcctttgt ctgaaggagc gacaggagca tctacggttg agaagacaga 180
aagtttggct tcgtcgatgt cttgctgtgt gaattttcca gacttagccc agtcga 236

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<210> 17
<211> 424
<212> DNA
<213> Homo sapien

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agcagatgca	gatgataata	ttcttgatta	ctcgatgga	atggaagaaa	tatttggttc	180
cctcaattcc	ctgaaacaag	acatcgagca	tatgaaattt	ccaatgggta	ctcagaccaa	240
tcagcccgga	acttgtaaag	acctgcaact	cagccatcct	gaattccag	atgggtgaata	300
ttggattgat	cctaaccaag	gttgctcagg	agattccttc	aaagtttact	gtaatttcac	360
atctggtggt	gagacttgca	tttatccaga	caaaaaatct	gaggggagtaa	gaatttcac	420
atgg						424

<210> 18

<211> 154

<212> DNA

<213> Homo sapien

<400> 18

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aggacaattg	aaatttgcta	aagggaaggg	ggaaagaaag	ggaaaaggga	gaaaaagaaa	120
cacaagagac	ttaaaggaca	ggaggaggag	atgg			154

<210> 19

<211> 445

<212> DNA

<213> Homo sapien

<400> 19

caacaaaatt	ggtgaacaca	tggaagaaca	tggcatcaag	tttataagac	agttcgtacc	60
aattaaagtt	gaacaaattg	aagcagggac	accaggccga	ctcagagtag	tagctcagtc	120
caccaatagt	gaggaaatca	ttgaaggaga	atataatacg	gtgatgctgg	caataggaag	180
agatgcttgc	acaagaaaaa	ttggcttaga	aaccgtaggg	gtgaagataa	atgaaaagac	240
tggaaaaata	cctgtcacag	atgaagaaca	gaccaatgtg	ccttacatct	atgccattgg	300
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ggctcatagg	ctctatgcag	gttccactgt	caaagtgtga	ctatgaaaat	gttccaacca	420
ctgtattttac	tcctttggaa	tatggg				445

<210> 20

 $\langle 211 \rangle$ 211

<212> DNA

<213> Homo sapien

<400> 20

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ctgggttcgt	cccagtgag	accggaggat	gatccccc	gaactgcgca	gcacagctc	180
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<210> 21

<211> 396

<212> DNA

<213> Homo sapien

<400> 21

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tgatgctgcc	attggtgata	tggttcctgg	caagcccatg	tgtgttgaga	gcttctcaga	180
ctatccacct	ttgggtcgct	ttgctgttcg	tgatatgaga	cagacagttg	cggtgggtgt	240
catcaaagca	gtggacaaga	aggctgctgg	agctggcaag	gtcaccaagt	ctgccagaa	300
agctcagaag	gctaaatgaa	tattatccct	aatacctgcc	acccactct	taatcagtgg	360
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<210> 22
 <211> 277
 <212> DNA
 <213> Homo sapien

<400> 22						
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tccatcttct	ggttgagga	atccacaaac	cactcatccc	ccatgaaatt	gcaggccatg	180
tctacatctc	cattatataa	taggatctgg	gatttctgtg	agctaagcag	cttcagatac	240
tgggagttca	tgcttcggta	gagacggcgg	tactgta			277

<210> 23
 <211> 634
 <212> DNA
 <213> Homo sapien

<400> 23						
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atggagggag	gattttatgg	agaaatgggg	atagcttca	tgaccacaaa	taaataaagg	180
aaaactaagc	tgcatgtgg	gttttgaaaa	ggttattata	cttcttaaca	attctttttt	240
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tgctctattt	tagatagatt	aacattaacc	aacataattt	tttttagatc	gagtcagcat	360
aaatttctaa	gtcagcctct	agtcgtggtt	catctctttc	acctgcattt	tatttggtgt	420
ttgtctgaag	aaaggaaaga	ggaaagcaaa	tacgaattgt	actatttgta	ccaaatcttt	480
gggattcatt	ggcaataaat	ttcagtggtg	tgtattatta	aatagaaaaa	aaaaattttg	540
tttctagggt	tgaaggtcta	attgatacgt	ttgacttatg	atgaccattt	atgcactttc	600
aatgaattt	gctttcaaaa	taaatgaaga	gcag			634

<210> 24
 <211> 512
 <212> DNA
 <213> Homo sapien

<400> 24						
gcaaaacaag	cctaagcaag	cacaacgaag	agcagaagtc	agtgaattaa	aaaagaggaa	60
aaagaaaaat	cataaaaatc	ataaaaagtt	atctctttga	aaagatcaat	gaaatttagc	120
aagactgaca	cagataaaaa	ggaattagac	ccaaatcagt	gaacaggaat	gaaatagagg	180
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gtgctcataa	atgtgacaat	gtagaggaaa	tatctttagt	tttaattagc	tttttatitt	300
agtttttctc	aaaaactaaa	acttaataaa	actcaaccac	gacaaaatag	acaatcagaa	360
tgtaggcata	cctcagagat	gtggcggatt	tggtttcaga	ctactgcaat	aaaccaaata	420
tggcaataaa	aggagtcaca	gaaagtgggt	tcccagtgtg	tatatataaa	agttacattt	480
actctatgaa	gtgcaataac	attttgtcta	aa			512

<210> 25

<211> 461
 <212> DNA
 <213> Homo sapien

<400> 25
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 aaagaacatt cgtggtggtt tagtgatgag gttaatatcc cctctctgtc cacctccaca 180
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 aaggaagtta cagttatctc cccagaaatt aatgggtcat gtcaagacta taggttttca 420
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<210> 26
 <211> 317
 <212> DNA
 <213> Homo sapien

<400> 26
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 taggatttat tacactaaaa aaaaattagt ttttgaaaag aaataggaga atacagaaac 120
 atgaatttca cgaggctatc atctaacagt gggggccttc tacacacgtg gtgccaaaat 180
 gtgtcattct gagtcaattg caattcctct ctaggagtga aaagagataa aagataagcc 240
 aagaaccctg gacagattct tgggtgttgg gacaaagagg aaaggacctg agaatggggc 300
 tgggtggggag aggggggg 317

<210> 27
 <211> 250
 <212> DNA
 <213> Homo sapien

<400> 27
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 ttcttccatt attttttcct cctaccactg agttttgtaa tgaattcctt gtgtatacaa 180
 gcaatacagg tgaataactaa actgttattt ttagcttctt caaaagctat tttagaaagc 240
 ttcttgga 250

<210> 28
 <211> 532
 <212> DNA
 <213> Homo sapien

<400> 28
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 ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatgacc ccatttcctt 480
 catgcaacta actgctaaga atgaaatgaa ctgcaaggaa gatcagtttc ag 532

<210> 29
 <211> 486
 <212> DNA
 <213> Homo sapien

<400> 29

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ttgatctccc	acacccaaaag	agaaaataat	atztatatgg	aagtaatttt	attttagtgt	180
ttgtgattta	ttgtggagag	caggbgttta	aaaatttttag	aatttctttt	taacaaaatc	240
aaatacattg	ttaaggtaac	aaagaataat	tcactatttc	agcatttcaa	agcaacatat	300
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atatatctat	atatttagga	aaatacatat	atgtatgtgt	atgtatatat	atgtatgaaa	480
atatac						486

<210> 30
 <211> 240
 <212> DNA
 <213> Homo sapien

<400> 30

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gggttctata	actgcatccc	ccacacatct	ttcaccacca	ccccatacat	accagctctc	180
ctgttggtggg	attcaggaca	taggaagagt	tgctgaaggc	acgggtgctt	ttgggattcg	240

<210> 31
 <211> 233
 <212> DNA
 <213> Homo sapien

<400> 31

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tcgtcagcaa	gttgtggccc	actttctttg	agagaccctt	tgtgaggaaa	gcctttgaga	180
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<210> 32
 <211> 233
 <212> DNA
 <213> Homo sapien

<400> 32

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ggcttggggg	caagaaacag	ccagcaagag	ttaggggcct	tagggcactg	ggctgttgtt	180
ccattgaagc	cgactctggc	cctggccctt	acttgcttct	ctagctctct	agg	233

<210> 33
 <211> 319
 <212> DNA
 <213> Homo sapien

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 cgaaggagat ctggctctccc acaatgaagg tcttgccctcc ctgggttctgg gacagcaggg 180
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 agttgg 246

<210> 38
 <211> 512
 <212> DNA
 <213> Homo sapien

<400> 38
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 aagaaaaaag tgactttcaa ctcttcttcc atcattttta tcatcaccag tgatgaatca 120
 ctgtcagttg acgacagcga caaaaccaat ggggccaaag ttgatgtaat ccaagttcgt 180
 cctttgtagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg 240
 gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt 300
 ggtccagcag gaaatccgaa ttgcccatac gctcttgggc ctcaggaaga ggttgaacaa 360
 aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 420
 gatgggcata taacatcatc atcttctaata gtgttggaga ttttcatttc aaatatattt 480
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<210> 39
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 39
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 tgccctycca tctccctaac cccccctcac agggatgcct cctcccaagg ctccagaaac 180
 totgacctc gactgctgg agggagccca tgaattgctg gtcaatatcg ctcacacctc 240
 akactccata ctgctgtgtc ttcttcctac aagagctaga gaggcactga ctgataaata 300
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<210> 40
 <211> 204
 <212> DNA
 <213> Homo sapien

<400> 40
 cctgaggggtt ttccctttaa attttcattg agttgtccat ctccagcata tagggcttca 60
 ggagcagagc agaccttggt tttagtgggt ccatgggata aaatgggatt ggaggagcta 120
 gaagaattca gggctctggc caatctgccg gtcttctctga aatatcgaaa atacaccagg 180
 gctgctatat cagagccacc ctgg 204

<210> 41
 <211> 447
 <212> DNA
 <213> Homo sapien

<400> 41
 caggcagcaa ttcgtaaaga attaaatgag tacaaaagta atgaaatgga ggtacatgca 60
 tcaagcaagc acttgacaag attccacagg ccatagagat tttcttctga gaagaatttg 120

tgtttaattt	tttgatacca	acactgaaca	ttcatcaggg	aactttcctg	aagttcagct	180
caagactacc	ctacctgctg	tgtttgtgag	aagagtagga	tcacacacac	aggtgcaatc	240
ttgaccacac	ttacctgcaa	gaggagtaac	cagaggacac	acttccttcc	ttctttggtg	300
tctgaggagt	gtgaactggt	ggggtcagtt	aagaccaaac	ataactctat	cagaagaaaa	360
ctgttgtttg	cctttcaacc	ttgttttaca	gttctgcagt	gtagtggagg	acgggcaacg	420
tgcatgtgca	ggctcaccac	tcccagg				447

<210> 42
 <211> 498
 <212> DNA
 <213> Homo sapien

<400> 42						
ctggttttgt	aaaaacagtc	tctttattct	actgtgctga	aacctcacc	aatatagaaa	60
attagattct	cattgcactg	aactatattt	atatgcctaa	gtatgtagaa	gtaaaattat	120
ataccocaaa	aggattttat	cttggtgtat	atattaaatg	ttatttctgc	atatagggtc	180
ttttatggag	aaactgatga	tgataagctt	aatactcact	tgtttagcag	catctgaatg	240
cacaaatgct	ttatatactt	cttctgcttt	acagggcaaa	agatcagact	ctgttttctt	300
atagtcttca	caagccagcc	agaactcaat	attctcctca	ctgaattcag	actttaggaa	360
acttccaaag	acattttgac	cagtttggtt	ggcaagaagt	ttttccagag	attgagacca	420
ttgcattact	tcagcagcag	aaagtacatc	cttggacttg	gaagatttca	ttccagattc	480
cagatgtggg	atcataga					498

<210> 43
 <211> 312
 <212> DNA
 <213> Homo sapien

<400> 43						
caggaaggcg	gccaaagaatg	tgagtgc aaa	gatttggttc	tgagagcccc	gagaagaaaa	60
ttcatgacag	tgtctgggct	gccaaagaag	cagtgccctt	gtgatcattt	caagggaat	120
gtgaagaaaa	caagacacca	aaggcaccac	agaaagccaa	acaagcattc	cagagcctgc	180
cagcaatttc	tcaaacaatg	tcagctaaga	agctttgtct	tgcttttgta	ggagctctga	240
gcgccactc	ttccaattaa	acattctcag	ccaagaagac	agtgagcaca	cctaccagac	300
actcttcttc	tc					312

<210> 44
 <211> 417
 <212> DNA
 <213> Homo sapien

<400> 44						
ctaacacatt	tactctccac	tattcgtact	ctggtagcca	tgtaaaccoc	atcagagatt	60
ccttctcaag	ccatgtctca	gagctgagag	gcattcccagc	aagttttgca	gctcacagtt	120
ttttccgtaa	attacttatt	ctataaaatt	ggagtaggcc	ataaactttg	gagggcccta	180
gaccaatttt	ttggattatt	tttctgtctt	tatcattccg	ctgatcttag	atattctctg	240
cattaaatat	taaatatcac	ttctaggctg	aaaaatcccc	ctaaaaatat	ttctagctca	300
gatttttctt	ccaaattctg	caatagaaga	tcacaatgtg	aactctgcatt	ctccatgtta	360
aagtctaatt	gacattcaca	cttagcatgt	ctcaaagaaa	tctcatgtaa	accatgg	417

<210> 45
 <211> 494
 <212> DNA
 <213> Homo sapien

cctatatattca	gccacagcct	ctggggagtg	tgctgataat	cggagccttg	aattaccacct	60
tcgttctcac	cattcagcca	ctgataggag	ccatcgctgc	aggaaatgct	gtgattataa	120
agccttctga	actgagttaa	aatacacgca	agatctgtgc	aaagcctctc	cctcagtatt	180
tagacacagga	tctctatat	gttattaatg	gtgggtgtga	ggaaattcac	gagctcctga	240
agcagcgatt	tgaccacatt	tctctatacg	gaaacactgc	ggttggtcaa	attgtcatgg	300

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<210> 49
<211> 288
<212> DNA
<213> Homo sapien
```

```
<210> 50
<211> 411
<212> DNA
<213> Homo sapien
```

```
<210> 51
<211> 503
<212> DNA
<213> Homo sapien
```

```
<210> 52
<211> 503
<212> DNA
<213> Homo sapien
```

<400> 52
gatatcttat gattaaaaac aaatttaaatt ttaaaacacc tgaagatata ttagaagaaa 60
ttgtgcaccc tcacaaaaac atacaaaagt taaaagtttg gatctttttc tcagcaggtta 120

```
<210> 53
<211> 531
<212> DNA
<213> Homo sapien
```

```
<210> 54
<211> 450
<212> DNA
<213> Homo sapien
```

```
<210> 55
<211> 648
<212> DNA
<213> Homo sapien
```

<400> 55						
caacttcaac	cacaggctgc	tggasatgat	cctcarcaag	ccaggggctca	agtacaagcc	60
tgtctgcaac	caggtggaat	gtcatcctta	cttcaaccag	agaaaactgc	tggattttctg	120
caagtcaaaa	gacattgttc	tggttgccta	tagtgctctg	ggatcccacc	gagaagaacc	180
atgggtggac	ccgaactccc	cggtgctcct	ggaggacca	gtcctttgtg	ccttggtcaa	240
aaagcacaag	cgaacccag	ccttgattgc	cctgcgtac	cagctrcagc	gtggggttgt	300
ggtcctggcc	aagagctaca	atgagcagcg	catcagacag	aacgtgcagg	tgtttgaatt	360
ccagttgact	tcagaggaga	tgaaaagccat	agatggccta	aacagaaatg	tgcgatattt	420
gacccttgat	atttttgcgt	gcccccttaa	ttatccattt	tctgatgaat	attaacatgg	480
aggggcattgc	atgaggtctg	ccagaaagcc	ctgcgtgtgg	atggtgacac	agagratggc	540

tctatgctgg tgactggaca catcgccctct ggttaaactct ctcttgcttg gygayttcag 600
caagctacag caaagcccat tggccggaaa aaatatcaag ggtcaaat 648

<210> 56
<211> 536
<212> DNA
<213> Homo sapien

<400> 56
ctggcatgag aatatttttt tttttaagtg cggtagtttt taaactgttt gtttttaaac 60
aaactataga actcttcatt gtcagcaaag caaagagtca ctgcatcaat gaaagttcaa 120
gaacctcctg tacttaaaaca cgattcgcaa cgttctgtta tttttttgt atgttttagaa 180
tgctgaaatg tttttgaagt taaataaaca gtattacatt tttaaaaactc ttctctatta 240
taacagtcaa tttctgactc acagcagtga acaaaccgcc actccattgt atttggagac 300
tggcctccct ataaatgtgg tagcttcttt tattactcag tggacctgcc cgggcggccg 360
ctcgaagccg aattccagca cactggcggc cgttactagt ggatccgagc tcggtaccaa 420
gcttgccgt aatcatggc atagctgttt cctgtgtgaa attgttatcc gtcacaatt 480
ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagt 536

<210> 57
<211> 391
<212> DNA
<213> Homo sapien

<400> 57
aggaactact gtcccagagc tgaggcaagg ggattttctca ggtcatttgg agaacaagt 60
ctttagtagt agtttaaaagt agtaactgct actgtattta gtggggtgga attcagaaga 120
aatttgaaga ccagatcatg ggtggtctgc atgtgaatga acaggaatga gccggacagc 180
ctggctgtca ttgctttctt cctccccatt tggacccttc tctgccctta catttttgtt 240
tctccatcta ccaccatcca ccagtcctatt tatttgtcta gttggatttc atttcttctg 300
gaaaatttat tgtttatttg catgtgaccc ttgactgatg gcttcattag cattytgttt 360
ttcttttttg atocttaata gaaaactcaa t 391

<210> 58
<211> 455
<212> DNA
<213> Homo sapien

<400> 58
gaagacatgc ttacttcccc ttcaccttcc ttcattgatg gggaagagtg ctgcaaccca 60
gccctagcca acgccgcatg agagggagtg tgccgagggc ttctgagaag gtttctctca 120
catctagaaa gaagcgctta agatgtggca gccctcttc ttcaagtggc tcttgtcctg 180
ttgcctggg agttctcaaa ttgctgcagc agcctccacc cagcctgagg atgacatcaa 240
tacacagagg aagaagagtc aggaaaagat gagagaagtt acagactctc ctgggcgacc 300
ccgagagctt accattcctc agacttcttc acatggtgct aacagatttg ttctaaaag 360
taaagctcta gaggcgtca aattggcaat agaagccggg ttccaccata ttgattctgc 420
acatgtttac aataatgagg agcaggttg actgg 455

<210> 59
<211> 398
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 59

ctcagaggca	gcgtgcgggt	gtgctctttg	tgaaattcca	ccatggcgta	ccgtggccag	60
ggtcagaaag	tgcagaaggt	tatggtgcag	cccatcaacc	tcatcttcag	atacttacia	120
aatagatcgc	ggattcaggt	gtggctctat	gagcaagtga	atatgcggat	agaaggctgt	180
atcattgggt	ttgatgagta	tatgaacctt	gtattagatg	atgcagaaga	gattcattct	240
aaaacaaagt	caagaaaaca	actngntcgg	atcatgctaa	aaggagataa	tattactctg	300
ctacaaagtg	tctccaacta	gaaatgatca	atgaagtga	aaattgttga	gaaggatata	360
gtttgttttt	agatgtcctt	tgtccaatgt	gaacattt			398

<210> 60
 <211> 532
 <212> DNA
 <213> Homo sapien

<400> 60

gacttctgag	acctggggca	cccgggcctt	tgccgcagct	actggcaggg	cctggccacc	60
tcataggact	cagttccctt	ctgaacactc	gggggacatg	ggcctctaac	tgcccactct	120
gatatgcctg	ggtgagccta	ggagggaagg	ctctgatttg	gatttctcca	gtcaaagctc	180
acagaaaaaa	acctggcact	ttgattttca	tgggatggtc	ctaacagggt	cagtcacctc	240
cagagcagttt	gggaaccacg	tttcttgctc	tgggcccctc	ggtcagcctg	gctgaattag	300
gacccttcc	tggcacaggg	gtgagaaaga	gcttggggaa	cgcttggcat	tatggagggc	360
tggaaggggc	tcaaccccga	tttgagagag	agtttgggat	ggagtgggag	agagattgag	420
agagcgagca	ggaaaagagg	tcttgagagc	tgggactgat	ggtggataag	gcctggaaag	480
aasatgacsa	ggaggaggag	agagggaagt	gggtggatga	ggagcaggct	ga	532

<210> 61
 <211> 466
 <212> DNA
 <213> Homo sapien

<400> 61

gcgacggcga	cgtctctttt	gactaaaaga	cagtgtccag	tgctccagcc	taggagtcta	60
cggggacccg	ctcccgccgc	gccaccatgc	ccaacttctc	tggcaactgg	aaaatcatcc	120
gatcggaaaa	cttcgaggaa	ttgctcaaag	tgctgggggt	gaatgtgatg	ctgagggaaga	180
ttgctgtggc	tgcagcgtcc	aagccagcag	tggagatcaa	acaggaggga	gacactttct	240
acatcaaaac	ctccaccacc	gtgcgcacca	cagagattaa	cttcaagggt	ggggaggagt	300
ttgaggagca	gactgtggat	gggaggccct	gtaagagcct	ggtgaaatgg	gagagtgaga	360
ataaaatgg	ctgtgagcag	aagctcctga	agggagagg	ccccaagacc	tcgtggacca	420
gagaactgac	caacgatggg	gaactgatcc	tgaccatgac	ggcgga		466

<210> 62
 <211> 548
 <212> DNA
 <213> Homo sapien

<400> 62

ttttgaattt	acaccaagaa	ctttctcaata	aaagaaaatc	atgaatgctc	cacaatttca	60
acataccaca	agagaagtta	attttottaac	attgtgttct	atgattatft	gtaagacctt	120
caccaagttc	tgatatcttt	taaagacata	gttcaaaatt	gcttttgaaa	atctgtattc	180
ttgaaaatat	ccttgtttgtg	tattaggttt	ttaaatacca	gctaaaggat	tacctcactg	240

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agtcacacagt accctcctat tcagctcccc aagatgatgt gtttttgott accctaagag 300
agggttttctt cttattttta gataattcaa gtgcttagat aaattatgtt ttctttaagt 360
gtttatggta aactctttta aagaaaattt aatatgttat agctgaatct ttttggtaac 420
tttaaatctt tatcatagac tctgtacata tgttcaaatt agctgcttgc ctgatgtgtg 480
tatcatcggg gggatgacag aacaaacata tttatgatca tgaataatgt gctttgtaaa 540
aagatttc 547

```

```

<210> 63
<211> 547
<212> DNA
<213> Homo sapien

```

```

<400> 63
tttccaaagc ggagacttcc gacttcctta caggatgagg ctgggcattg cctgggacag 60
cctatgtaag gccatgtgcc ccttgcccta acaactcaet gcagtgtctt tcatagacac 120
atcttgagc atttttctta aggctatgct tcagtttttc tttgtaagcc atcacaagcc 180
atagtggtag gtttgccctt tggtagagaa ggtgagttaa agctgggtgga aaaggcttat 240
tgcatgtcat tcagagtaac ctgtgtgcat actctagaag agtagggaaa ataagtcttg 300
ttacaattcg acctaatatg tgcatgttaa aataaatgcc atatttcaaa caaacacagt 360
aattttttta cagtatgttt tattaccttt tgatatctgt tgttgcaatg ttagtgatgt 420
tttaaaatgt gatcgaaaat ataagtcttc taagaaggaa cagtagtgga atgaatgtct 480
aaaagatctt tatgtgttta tggctctgcag aaggattttt gtgatgaaag gggatttttt 540
gaaaaat 547

```

```

<210> 64
<211> 528
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(528)
<223> n = A,T,C or G

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<400> 64
cacctmctcc cscwgggcgc ttwtctsgac gccttgccca scggggccgcc cgaccccttg 60
srccatggac cccgctcgcc csctggggmt gtygatcktg ctgcttttcc tgrckgaggg 120
tgactgggc gatgctgac argagccaac aggaataaac rcggagatct gkctcctgcc 180
cctagactac kgacctgcc kggccctact tytccgytac tactacgaca ggyacacgca 240
gagctgccgc cwgttctgk rckggggctg crasggcaac rccaacwatt yctacacckg 300
kgaggmttrc gackatgctw gstggargat agaaaaagtt cccaaasttt gccggctgma 360
agtgaatgag gacnaccagg gtgaggggta cacagataag tatttcttta atctaakkwc 420
catgacatgw gaaaaattct ttncgggtgg gngtcaccgg accggattga gaacangttt 480
gcagatgang ctactgggat gggctcctgc rcacnaaaga aantatca 528

```

```

<210> 65
<211> 547
<212> DNA
<213> Homo sapien

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```

<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

```

T.C.E.S.O. 92957350

<400> 65

kgaatgaasa	acgaacgctg	gaagtagaaa	tagagcctgg	ggtgagagac	ggcatggagt	60
acccctttat	tggagaaggt	gagcctcacg	tggatgggga	gcctggagat	ttacggttcc	120
gaatcaaagt	tgtcaagcac	ccaatatattg	aaaggagagg	agatgatttg	tacacaaatg	180
tgacagtctc	attagttgag	tactgggttg	gctttgagat	ggatattact	cacttggatg	240
gtcacaaggt	acatatttcc	cgggataaga	tcaccaggcc	aggagcgaag	ctatggaaga	300
aaggggaagg	gctccccaac	tttgacaaca	acaatatcaa	gggctctttg	ataatcactt	360
ttgatgtgga	ttttccaaaa	gaacagttaa	cagagggaagc	gagagaangt	atcaaacagc	420
tactgaaaca	aggggtcagt	cagaagggtat	acaatggact	gcaaggatat	tgagagtgaa	480
taaaattgga	ctttgtttta	aataaagtga	ataagcgata	tttattatct	gcaagggttt	540
ttttgtg						547

<210> 66

<211> 535

<212> DNA

<213> Homo sapien

<400> 66

ggggaggtct	acgcttctag	agcttgagcc	agcggggcgca	ccctgcagtg	gcaggactcg	60
gcaccgcgcc	ctccaccgcc	ggttggtggc	ctgcgtgaca	gtttcctccc	gtcgacatcg	120
aaagggaagc	ggacgtgggc	gggcagagag	cttcatcgca	gtaggaatgg	cagccccatc	180
tatgaaggaa	agacaggtct	gctggggggc	cgggatgag	tactggaagt	gtttagatga	240
gaacttagag	gatgcttctc	aatgcaagaa	gttaagaagc	tctttcgaat	caagttgtcc	300
ccaacagtgg	ataaaatatt	ttgataaaag	aagagactac	ttaaaattca	aagaaaaatt	360
tgaagcagga	caatttgagc	cttcagaaac	aactgcaaaa	tcctaggctg	ttcataaaga	420
ttgaaagtat	tctttctgga	cattgaaaaa	gctccactga	ctatggaaca	gtaatagttt	480
gaatcatagt	gaacatcaat	acttgttccc	tatatacgac	acttgataat	taaga	535

<210> 67

<211> 527

<212> DNA

<213> Homo sapien

<400> 67

atttctgcca	cttaattcaa	acagtcatat	gcaggtcgct	taatttattt	gtgcttttgt	60
ttcatcttct	acaaggccct	cttagctcta	aaacttgaca	gtggaataag	gaaatgtttt	120
tccaaatctg	cattgcccgt	gagatcctca	acatcagcat	gttgagatgg	acctcaacct	180
cacctctaac	cctgaaacac	actactcgat	attatcttag	gtatgtttta	gggtttagtt	240
tgtaaaataa	taatttattt	ttgaaggaaa	tataaaatat	taaagagtaa	taatagctat	300
cattttttta	gattcaatct	aaaacaatgg	actctttttt	ttccatttg	tgatgtagat	360
aagcaagaca	attttgatca	tgagtgggtga	aaagaggatc	aaacttgact	attcttgcaa	420
tggcagtgca	gcaacaagcc	tttcattttac	attaaattat	aacttttcat	tcattcctaa	480
accaaactta	aaattctgct	ttcctttgag	tagaaggtat	tttaactt		527

<210> 68

<211> 431

<212> DNA

<213> Homo sapien

<400> 68

gggaaacttc	atggggtttcc	tcatctgtca	tgctgatgat	tatatatgga	tacatttaca	60
aaaataaaaa	gcggggaattt	tcccttcgct	tgaatattat	ccctgtatat	tgcatgaatg	120
agagatttcc	catattttcca	tcagagtaat	aaatatactt	gctttaatto	ttaagcataa	180

gtaaacaatga tataaaaaata tatgctgaat tacttgtgaa gaatgcattt aaagctattt 240
 taaatgtgtt tttatttgta agacattact tattaagaaa ttggttatta tgcttactgt 300
 tctaactctgg tggtaaagggt attcttaaga atttgcagggt actacagatt ttcaaaactg 360
 aatgagagaa aattgtataa ccacccctgct gwtcccttag tgcaatacaa taaaactctg 420
 aaattaaaac t 431

<210> 69
 <211> 399
 <212> DNA
 <213> Homo sapien

<400> 69

gacacggcgg acacacacaa acacagaacc acacagccag tcccaggagc ccagtaatgg 60
 agagcccca aaagaagaac cagcagctga aagtcgggat cctacacctg ggcagcagac 120
 agaagaagat caggatacag ctgagatccc agtgcgcgac atggaagggt atctgcaaga 180
 gctgcatcag tcaaacaccg gggataaatc tggatttggg ttccggcgtc aagggtgaaga 240
 taatacctaa agaggaacac tgtaaaatgc cagaagcagg tgaagagcaa ccacaagttt 300
 aaatgaagac aagctgaaac aacgcaagct ggttttatat tagatatattg acttaaaacta 360
 tctcaataaa gttttgcagc tttcaccaar aaaaaaaaa 399

<210> 70
 <211> 479
 <212> DNA
 <213> Homo sapien

<400> 70

cgcggcggag ctgtgagccg gcgactcggg tccctgaggt ctggattctt tctccgctac 60
 tgagacacgg cggacacaca caaacacaga accacacagc cagtcccagg agcccagtaa 120
 tggagagccc caaaaagaag aaccagcagc tgaaagtcgg gatcctacac ctgggcagca 180
 gacagaagaa gatcaggata cagctgagat cccagggtgt gggaagggaa atgcgcgaca 240
 tgggaagggt tctgcaagag ctgcatcagt caaacaccgg ggataaatct ggatttgggt 300
 tccggcgtca aggtgaagat aatacctaaa gaggaacact gtaaaatgcc agaagcagggt 360
 gaagagcaac cacaagttaa aatgaagaca agctgaaaca acgcaagctg gttttatatt 420
 aggatatattg acttaaaacta tctcaataaa gttttgcagc tttcaccaaa aaaaaaaaa 479

<210> 71
 <211> 437
 <212> DNA
 <213> Homo sapien

<400> 71

ctcagcggct gccaacagat catgagccat cagctcctct ggggccagct ataggacaac 60
 agaactctca ccaaaggacc agacacagtg rgcaccatgg gacagtgtcg gtcagccaac 120
 gcagaggatg ctcaggaatt cagtgatgtg gagagggcca ttgagaccct catcaagaac 180
 tttcaccagt actccgtgga ggggtgggaag gagacgtga ccccttctga gctacgggac 240
 ctggtcacc agcagctgcc ccattctatg ccgagcaact gtggcctgga agagaaaatt 300
 gccaacctgg gcagctgcaa tgactctaaa ctggagttca ggagtttctg ggagctgatt 360
 ggagaagcgg ccaagagtgt gaagctggag aggcctgtcc gggggcactg agaactccct 420
 ctggaattct tggggggg 431

<210> 72
 <211> 561
 <212> DNA
 <213> Homo sapien

0304963-0500

<400> 72

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gtacctcaga	atctcatgtt	tggcaaatgg	aaatatgaaa	agcccgatgg	ctccccagta	120
tttattgcct	tcagatcctc	tacaaaagaaa	agtgtgcagt	acgacgatgt	accagaatac	180
aaagacagat	tgaacctctc	agaaaactac	actttgtcta	tcagtaatgc	aaggatcagt	240
gatgaaaaga	gatttgtgtg	catgctagta	actgaggaca	acgtgtttga	ggcacctaca	300
atagtcaagg	tgttcaagca	accatctaaa	cctgaaattg	taagcaaagc	actgtttctc	360
gaaacagagc	agctaaaaaa	gttgggtgac	tgcatttcag	aagacagtta	tccagatggc	420
aatatcacat	ggtacaggaa	tggaaaagtg	ctacatcccc	ttgaaggagc	ggtggtcata	480
atttttaaaa	aggaaatgga	cccagtgact	cagctctata	ccatgacttc	caccctggag	540
tacaagacaa	ccaaggtgta	c				561

<210> 73

<211> 916

<212> DNA

<213> Homo sapien

<400> 73

ggagaaaata	aggtggagtc	ctacttgttt	aaaaaatatg	tatctaagaa	tgttctaggg	60
cactctggga	acctataaag	gcaggatatt	cgggccctcc	tcttcaggaa	tcttctgaa	120
gacatggccc	agtcgaaggc	ccaggatggc	ttttgctgcg	gccccgtggg	gtaggagggg	180
cagagagaca	gggagagtca	gcctccacat	tcagaggcat	cacaagtaat	ggcacaattc	240
ttcggatgac	tgcagaaaaat	agtgttttgt	agttcaacaa	ctcaagacga	agcttatttc	300
tgaggataag	ctcttttaaag	gcaaagcttt	attttcatct	ctcatctttt	gtcctcctta	360
gcacaatgta	aaaaagaata	gtaatatcag	aacaggaagg	aggaatggct	tgctggggag	420
cccatccagg	acactgggag	cacatagaga	ttcacccatg	ttgttgaaac	ttagagtcac	480
tctcatgctt	ttctttataa	ttcacacata	tatgcagaga	agatatgttc	ttgttaacat	540
tgtatacaac	atagccocaa	atatagtaag	atctatacta	gataatccta	gatgaaatgt	600
tagagatgct	atatgataca	actgtggcca	tgactgagga	aaggagctca	cgcccagaga	660
ctgggctgct	ctcccggagg	ccaaacccaa	gaaggctctg	caaagtcagg	ctcagggaga	720
ctctgccttg	ctgcagacct	cggtgtggac	acacgctgca	tagagctctc	cttgaaaaca	780
gaggggtctc	aagacattct	gcctacctat	tagcttttct	ttattttttt	aacttttttg	840
ggggaaaagt	atttttgaga	agtttgtctt	gcaatgtatt	tataaatagt	aaataaagtt	900
tttaccatta	aaaaaa					916

<210> 74

<211> 547

<212> DNA

<213> Homo sapien

<400> 74

agtggcatta	acttttagaa	tttgggctgg	tgagattaat	tttttttaat	atcccagcta	60
gagatatggc	ctttaactga	cctaaagagg	tgtgttgtga	tttaattttt	tcccgttcc	120
ttttcttcag	taaaccacaac	aatagtctaa	ccttaaaaaat	tgagttagatg	tccttatagg	180
tcactacccc	taaataaacc	tgaagcaggt	gttttctctt	ggacatacta	aaaaatacct	240
aaaaggaagc	ttagatgggc	tgtgacacaa	aaaattcaat	tactgtcatc	taatgccagc	300
tgttaaaagt	gtggccactg	agcatttgat	tttataggaa	aaaatagtat	ttttgagaat	360
aacatagctg	tgctattgca	catctgttgg	aggacatccc	agatttgctt	atactcagtg	420
cctgtgatat	tgagtttaag	gatttgaggc	aggggtaatt	attaaacata	ttgcttctat	480
tcttggaaaa	atagaagkgt	aaaatgttaa	taatacaaat	gtcactgtga	cctcctccac	540
tgagagg						547

<210> 75

<400> 75

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<210> 76
<211> 461
<212> DNA
<213> Homo sapien
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<400> 76

accttgcaact	attccctca	gtccatctat	cgaggtcttt	gcaggaagca	tactgggaat	60
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ggatgggatt	ctaaggacat	cagtgggagg	cagggagcca	ccttcagacc	tcagcatgga	180
agcttccaag	atccagagga	agaggcaaca	gcactgagag	tcataggtag	agaatcatc	240
acagccctgc	taaccaggca	gctgatgcc	ctctcccctg	gctccctgtg	tccaaatcct	300
acaggggcat	ctgttgctg	aactcaacct	gaagccaaag	agaagatgag	tggagagagg	360
caacatttat	agagctcagg	tttctagggc	tggagaggga	tctggaggga	cacacaggag	420
acacctggca	taacaaaaaa	atgattaaaa	aaaaaaaaaa	a		461

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<210> 77
<211> 642
<212> DNA
<213> Homo sapien
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<400> 77

ggttgacaga	aacacactgg	ggaatggagc	aaaacagtct	ttgaatatcg	aacacgcaag	60
gctgtgagac	tacctattgt	agatatggca	ccctatgaca	ttggtgggtcc	tgatcaagaa	120
tttggtgtgg	acgttggccc	tgtttgcttt	ttataaacca	aactctatct	gaaatcccaa	180
caaaaaaaaa	ttaactccat	atgtgttctt	cttgttctaa	tcttgtcaac	cagtgcaggt	240
gaccgacaaa	attccagtta	tttattttcca	aaatgtttgg	aaacagtata	atttgacaaa	300
gaaaaaatgat	acttctcttt	ttttgctggt	ccaccaaata	caattcaaag	gctttttggt	360
ttattttttt	accaattcca	atttcaaaat	gtctcaatgg	tgtatataata	aataaaacttc	420
aacactcttt	atgatacaaa	aaaaaawawa	wattctttga	atcctagccc	atctgcagag	480
caatgactgt	gctcaccagt	aaaagataac	ctttctttct	gaaatagtca	aatacgaagt	540
tagaaaagcc	ctccctattt	taactacctc	aactggtcag	aaacacagat	tgtattctat	600
gagtcccgaga	agatgaaaaa	aattttatac	gttgataaaa	ct		642

<210> 78

<211> 519
 <212> DNA
 <213> Homo sapien

<400> 78
 gcagaagaag aagcggacct tccgcaagtt cacctaccgc gccgtggacc tcgaccagct 60
 gctggacatg tcctaogagc agctgatgca gctgtacagt gcgcgccagc ggcgggcggt 120
 gaaccggggc ctgcggcgga agcagcactc cctgctgaag cgcttgccga aggccaagaa 180
 ggaggcgccg cccatggaga agccggaagt ggtgaagacg cacctgcggg acatgatcat 240
 cctacccgag atggtgggca gcatggtggg cgtctacaac ggcaagacct tcaaccaggt 300
 ggagatcaag cccgagatga tcggccacta cctgggcgag ttctccatca cctacaagcc 360
 cgtaaagcat ggccggcccg gcatcggggc caccactcc tcccgttca tccctctcaa 420
 gtaatggctc agctaataaa aggcgcacat gactccaaaa aaaaaaaaaa aaggcgggcc 480
 gccaccgcgg gggagctcca cttttgttcc ctttaatga 519

<210> 79
 <211> 526
 <212> DNA
 <213> Homo sapien

<400> 79
 gtctggaggc ggtgtcctct ccgccctgtc gggctcctga tgagtacgag ttatggtcac 60
 ggtcacagcc tgatctotta tgtgttcata gccattcgct ctcccatcag aactgtttgt 120
 cctgaatgtg ttctcttagt tctagaaaat gaccactaat ttaaaaaact cggttgtgag 180
 gtttgcccag aggcacttgt tccagaattt cccctcctgc ttcagccatg tccttgtcac 240
 ttggcattct aagctaaagc tttagcttcc caattcgtga tgtgctaggc caagattcgg 300
 gagctgttgc cagcctcgtc aaatatggaa gagaaacaac ctgcggtcaa aaggagtgga 360
 tttgttaagt ggtgcgcgtc tatctcataa ctagatgtac caaccaggga agggccaagg 420
 atggaaaggg gtaacttttg tgcttccaaa gtagctaagc agaagtgggg gagcagttta 480
 gccagatgat ctttgattag gcaaacattg agtttttaag aggctg 526

<210> 80
 <211> 281
 <212> DNA
 <213> Homo sapien

<400> 80
 gttatattag tgggtagtgt aacattttat ccaggttggg gtgaggggag atggccacag 60
 tagcaagtgg tgacactaaa taccattttg aaggctgatg tgtatataca tcattactgt 120
 ccgtagcaat gaaggataca gtactgtgtt gtgggtgagt gttgctattg cccagcat 180
 atatttgggt gtgtatgttt gaggctatga aacacgcagg agtgtttttg tgctattaat 240
 ttttaagagaa agcagctttt tcttaaaatt cactgttgag a 281

<210> 81
 <211> 405
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

<400> 81

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tagcaaaccg	agcgatcatg	tcgcacaaac	aaatttacta	ttcggacaaa	tacgacsacg	120
aggagtttga	statcgacat	gtcatgctgc	ccaaggacat	akccaasctg	gtccctaaaa	180
cccatctgat	gtctgaatct	gaatggagga	atcttggcng	ttcagmagan	tcagggatgg	240
gtccattata	tgatccatga	nccagaacct	cdcatcttgc	tgttccggcg	scccacttac	300
cccaanaaac	caamgaaatg	aaccttggct	actacttttc	aatcctcaaa	kcttttcaca	360
vhtgaccttc	cttcctaaca	ttctttmtga	taaacattta	ttaag		405

<210> 82
 <211> 547
 <212> DNA
 <213> Homo sapien

<400> 82						
tagtttttaa	gaagaaat	tttttggcct	atgaaattgt	taaacctgga	acatgacatt	60
gttaatcata	taataatgat	tcttaaatgc	tgtatggttt	attattttaa	tgggtaaagc	120
catttacata	atatagaaag	atatgcatat	atctagaagg	tatgtggcat	ttatttggat	180
aaaattctca	attcagagaa	atcatctgat	gtttctatag	tcactttgcc	agctcaaaag	240
aaaacaatac	cctatgtagt	tgtggaagtt	tatgctaata	ttgtgtaact	gatattaaac	300
ctaaatgttc	tgcctaccct	gttgggtata	agatattttg	agcagactgt	aaacaagaaa	360
aaaaaaatca	tgcattctta	gcaaaattgc	ctagtatgtt	aatttgtctc	aaatacaatg	420
tttgatttta	tgcactttgt	cgctattaac	atcctttttt	tcatgtagat	ttcaataatt	480
gagtaatttt	agaagcatta	tttttaggaat	atatagtkgt	cacagtaaat	atcttgtttt	540
ttctatg						547

<210> 83
 <211> 529
 <212> DNA
 <213> Homo sapien

<400> 83						
ctatttctaag	agatgctctt	agtgatcttg	cattacactt	tctgaataaa	atgaagatca	60
tgggtgattaa	ggatattgaa	agagaagaca	ttgaattcat	ttgtaagaca	attggaacca	120
agccagttgc	tcatattgac	caatttactg	ctgacatgct	gggttctgct	gagtttagctg	180
aggaggtcaa	tttaaatgg	tctggcaaac	tgctcaagat	tacaggctgt	gccagccctg	240
gaaaaacagt	tacaattggt	gttcgtggtt	ctaacaaact	ggtgattgaa	gaagctgagc	300
gtccattca	tgatgcccta	tgtgttattc	gttgtttagt	gaagaagagg	gctcttattg	360
caggaggtgg	tgctccagaa	atagagttgg	ccctacgatt	aactgaatat	tcacgaacac	420
tgagtggat	ggaatcctac	tgcggtcgtg	cttttgcaga	tgctatggag	gtcattccat	480
ctacactagc	tgaaaatgcc	cggcctgaat	cccatttcta	cagtaacag		529

<210> 84
 <211> 527
 <212> DNA
 <213> Homo sapien

<400> 84						
cccatcacca	gaatcccttc	atgggagggga	tggatgcctg	ttgaaactca	ctgacctatt	60
ggactgacgc	tggggtggta	tcttcatcag	agctattgta	agtcattccaa	aaggcttctg	120
acgaaagaac	aattttttaa	aagtcctctt	tttcaatcaa	gccaatgtcc	tatttttattt	180
ctaaaagt	tgggactcgt	gctgttatca	agtacaatga	aaatggcttt	ataaatagct	240
gttttgacat	tgtgatagaa	ggcttgaata	cgagggaag	atgtcgctgg	agctagtcct	300
gagttccgac	tgtccctgtg	gtgggaatcc	agtctgggaa	agcaggactg	ttttagcaaa	360
cgtgtactcg	ttctataaaa	atggaatctg	ttctgcaggt	taccgtccct	ccccgcccaa	420

gcatccccctc tgtcctgtct ctctgtctgt gggacccagg gctttttcag ctgcagaacc 480
 cactggactt ccaggaatca aggaaaaagt ggaaatgtcc aactgtg 527

<210> 85
 <211> 401
 <212> DNA
 <213> Homo sapien

<400> 85
 cagtgtggtg gaattcccaa gatagaaatg aaaaactctt ttatagagtg ctgacatctg 60
 acattgagaa attcatgcct attgtttata ctcccactgt gggctctggct tgccaacaat 120
 atagtttggt gtttcggaag ccaagagggtc tctttattac tatccacgat cgagggcata 180
 ttgcttcagt tctcaatgca tggccagaag atgtcatcaa ggccattgtg gtgactgatg 240
 gagagcgtat tcttggcctt ggagaccttg gctgtaatgg aatgggcctc cctgtgggta 300
 aattggctct atatacagct tgcggaggga tgaatcctca agaatgtctg cctgtcattc 360
 tggatgtggg aaccgaaaaat gaggagtac ttaaagatcc a 401

<210> 86
 <211> 547
 <212> DNA
 <213> Homo sapien

<400> 86
 gaagcctctt gtgtttgtgt gcagagaagt atatgatcca ccatgctaata gacacttgcc 60
 tttttttcca ccattaaggc ttaagaaca tgtggaataa gtttttttagc tgctaataatg 120
 aaaacaaatc ctgtaactac ccagccagca agtatatagc acagaacact gtgttacttt 180
 acaagggtct atgtgactgg aataagggtg tcccacttga ctgttccaaa gagcagcttc 240
 tcagatcttc agtgttccact ggtaaatttc taacagtgtg tttgtgtaaa gtttgcatt 300
 tcatactcca tacactacag ttgctgtcac tgatccctgt tttgctggct ttttaagctac 360
 ttggtcaaaa atcctgcttc cttaaaacat agagaattaa tgagcatctc aagctttttc 420
 ttttcctttt taatgatgcc tgcactatca agagtattct agtgttctct ctttgtttgg 480
 catataatca tgcaccaaac tttttatttc ttttaagggtg gagtatattt ttatttccta 540
 aatgccca 547

<210> 87
 <211> 530
 <212> DNA
 <213> Homo sapien

<400> 87
 atggattcga aataccagkg tgtgaagctg aatgatggct acttcatgcc tgtcctggga 60
 tttggcacct atgcgcctgc agaggttcct aaaagtaaag ctctagaggc cgtcaaattg 120
 gcaatagaag cggggttcca ccatattgat tctgcacatg tttacaataa tgaggagcag 180
 gttggactgg ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc 240
 tacacttcaa agctttggag caattcccat cgaccagagt tgggtccgacc agccttggaa 300
 aggtcactga aaaatcttca attggactat gttgacctct atcttattca ttttccagtg 360
 tctgtaaagc caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac 420
 acagtggatc tctgtgccac rtgggaggcc atggagaagt gtaaagatgc aggattggcc 480
 aagtccatcg ggggtgtccaa cttcaaccac aggctgctgg agatgatcct 530

<210> 88
 <211> 529
 <212> DNA
 <213> Homo sapien

<400> 88

acctgagcta	agaaggataa	ttgtcttttg	gtaactaggt	ctacagggtt	acattttttct	60
gtgtttacact	caaggataaa	ggcaaaatca	attttgtaat	ttgttttagaa	gccagagttt	120
atcttttcta	taagttttaca	gcctttttct	tatatataca	gttattgcc	cctttgtgaa	180
catggcaagg	gactttttta	caatttttat	tttattttct	agtaccagcc	taggaattcg	240
gttagtactc	atgtgtattc	actgtcaact	tttctcatgt	tctaattata	aatgaccaaa	300
atcaagattg	ctcaaaagg	taaatgatag	ccacagtatt	gctccctaaa	atatgcataa	360
agtagaaatt	cactgccttc	ccctcctgtc	catgaccttg	ggcacaggga	agttctggtg	420
tcatagatat	cccgttttgt	gaggtagagc	tgtgcattaa	acttgcacat	gactggaacg	480
aagtatgagt	gcaactcaaa	tgtgttgaag	atactgcagt	catttttgt		529

<210> 89

<211> 547

<212> DNA

<213> Homo sapien

<400> 89

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cacacaaggt	tatgatTTTT	ttaattactg	gttcttgatt	tctttcaact	ctgatccttt	120
tcctttttct	cagatgtagc	tgagtcttga	tcattttaag	acaacgatgg	gtagaatttt	180
gagattaatg	ttaattttcc	ctttttgtta	atttcagtcc	cctctcacta	tgcttttgtc	240
cagaaggatc	aagaattcta	ccatcccttg	ggctcttgtg	tataaacaat	gttaaataaa	300
ggtagactca	gtctttaaga	tattagacag	tttttttagt	ccatgggatt	gtaaatataa	360
acattaactt	tcctataaga	atattttggc	tttgtaatct	atagcctcaa	attggtattt	420
attatggatt	cactagacaa	acagctgttt	ccttattgtc	ttttttcttt	agtgtttctg	480
atttgctatc	agtagctgtt	tttaaagcca	tccaaggaaa	ataattattt	acagtttttg	540
aagtcac						547

<210> 90

<211> 528

<212> DNA

<213> Homo sapien

<400> 90

gagcagcaga	agctgtacag	caagatgatc	gtggggaacc	acaaggacag	gagccgctcc	60
tgagcctgcc	tccagctggc	tggggccacc	gtgcgggggt	ccaacgggct	cagagctgga	120
gttgccgcgc	ccgccccac	tgctgtgtcc	tttccagact	ccagggctcc	ccgggctgct	180
ctggatccca	ggactccggc	tttcgcogag	ccgcagcggg	atccctgtgc	acccggcgca	240
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cgctgtgcgg	gctgagtgg	tggggagatg	tggccatggt	cttgtgctag	agatggcgg	420
acaagagtct	gttatgcaag	cccgtgtgcc	agggatgtgc	tgggggcggc	caccgctct	480
ccaggaaagg	cacagctgag	gcactgtggc	tggcttcggc	ctcaacat		528

<210> 91

<211> 547

<212> DNA

<213> Homo sapien

<400> 91

atataccatt	taatacattt	acactttctt	atttaagaag	atattgaatg	caaaataatt	60
gacatataga	actttacaaa	catatgtcca	aggactctaa	attgagactc	ttccacatgt	120
acaatctcat	catcctgaag	cctataatga	agaaaaagat	ctagaaactg	agttgtggag	180

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ctgactctaa tcaaatgtga tgattggaat taraccmttt ggscyttgra ccttymtwrg 240
raaaawgrmc cmaccttityt taacmtgrac cwccytmatc tctagaagct gggatggact 300
tactatyctk gttwatatatt taaatackga aagggtgctat gcttctgtta ttattccaag 360
actggagata ggcagggcta aaaaggtatt attatttttc cttaaagat ggtgctaaaa 420
ttcttcctat aaaattcctt aaaaataaag atggtttaac cactaccatt gtgaaaacat 480
aactgttaga cttcccgctt ctgaaagaaa gagcatcggt ccaatgcttg ttcactgttc 540
ctctgtc 547

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<210> 92
<211> 527
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

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<400> 92
gctggctagt aggggaacat gtagtagcca agcccatgca ttgcagtga cagagcaaca 60
ttggggtaac aggatgggta cctgtcacgg cctgtgcaaa cataacatgt gtcaccacac 120
tgaaggtatg gtggaacaag tggcctcacc aaggctcgac cccaatggac tttttgcctc 180
ttgggagctt atgggtctat gaggacacag tagcctttcc tatcagcaaa ctggagtga 240
tgttgtatct gggggtggcc ttatgtacct gctactgttc tccccacatt gccagatgc 300
ctgtataact gggaggcaact gkgctctcag tttttgcgaa tgtgatgagc cccctggtgt 360
ttctaccctt ttggcaatga ctatccctgg agncatgtgt caaaactgta aagcacaatt 420
tactgctctt tgcggagcac accgctcatg ctctgaatta cacctgaktg tccctcctcc 480
wgktawtgaa tgaggttgat cnvatcagaa adgtggkggt ggcmata 527

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<210> 93
<211> 531
<212> DNA
<213> Homo sapien

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<400> 93
ggtattcata cagccttctt aaaggcaatg ctttccacag gatttaagat accccagaaa 60
ggcatcctga taggcatcca gcaatcattc cggccaagat tccttggtgt ggctgaacaa 120
ttacacaatg aagggtttcaa gctgtttgcc acggaagcca catcagactg gctcaacgcc 180
aacaatgtcc ctgccacccc agtggcatgg ccgtctcaag aaggacagaa tcccagcctc 240
tcttccatca gaaaattgat tagagatggc agcattgacc tagtgattaa ctttcccaac 300
aacaacacta aattttgtcca tgataattat gtgattcgga ggacagctgt tgatagtga 360
atccctctcc tactaatttt tcaggtgacc aaactttttg ctgaagctgt gcagaaatct 420
cgcaaggtgg actccaagag tcttttccac tacaggcagt acagtgtgtg aaaagcagca 480
tagagatgca gacaccccag cccattatt aaatcaacct gagccacatg t 531

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```

<210> 94
<211> 547
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(547)
<223> n = A,T,C or G

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05496E-0500

<400> 94

gttaaacaatg	gtctgcgtgc	cttaagagag	acgcttctctg	cagaacagga	cctgactaca	60
aagaatgttt	ccatttgaat	tgttggtaaa	gacttggagt	ttacaatcta	tgatgatgat	120
gatgtgtctc	cattctctga	aggtcttgaa	gaaagaccac	agagaaaggc	acagcctgct	180
caacctgctg	atgaacctgc	agaaaaggct	gatgaaccaa	tggaacatta	agtgataagc	240
cagtctatat	atgtattatc	aaatatgtaa	gaatacaggc	accacatact	gatgacaata	300
atctatactt	tgaacaaaaa	gttgcagagt	ggtggaatgc	tatgttttag	gaatcagtcc	360
agatgtgagt	tttttccaag	caacctcact	gaaacctata	taatggaata	catttttctt	420
tgaagggtc	tgtataatca	ttttctagaa	agtatgggta	tctatactaa	tgtttttata	480
tgaagaacat	aggtgtcttt	gtggttttta	agacaactgt	gaaataaaaat	tgtttcaccg	540
cctggtn						547

<210> 95

<211> 1265

<212> DNA

<213> Homo sapien

<400> 95

gtggtcaagc	agtgattttt	ctgggactgc	agaagttcct	gctgtgcca	acctttatta	60
ctaactggga	aagaccagc	gagactggga	tgggtctcat	attctacata	cagaactcat	120
ccaagaaagg	aggaaaagct	gatttttgtg	aacgtcgcta	cttgtgcctg	aactaactct	180
caggcacatt	agtcagaaaa	tactacctat	ggttactccc	ccaggttcct	aaaagtaaa	240
ctttagaggc	caccaaattg	gcaattgaag	ctggcttccg	ccatattgat	tctgtctcatt	300
tatacaataa	tgaggagcag	gttggactgg	ccatccgaag	caagattgca	gatggcagtg	360
tgaagagaga	agacatattc	tacacttcaa	agctttgggt	caattcccat	cgaccagagt	420
tgggtccgacc	agccttggaa	aggtcactga	aaaatcttca	attggattat	gttgacctct	480
accttattca	ttttccagtg	tctgtaaagc	caggtgagga	agtgatccca	aaagatgaaa	540
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gtaaagatgc	aggattggcc	aagtccatcg	gggtgtccaa	cttcaaccgc	aggcagctgg	660
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atccttactt	caaccagaga	aaactgctgg	atttctgcaa	gtcaaaaagac	attgttcttg	780
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aagccataga	tggcctaaac	agaaatgtgc	gataatttgac	ccttgatatt	tttgetggcc	1080
cccctaatta	tccattttct	gatgaatatt	aacatggagg	gcattgcatg	aggtctgcca	1140
gaaggccctg	cgtgtggatg	gtgacacaga	ggatggctct	atgctggtga	ctggacacat	1200
cgctctgggt	taaatctctc	ctgcttgggt	atttcagcaa	gctacagcaa	agccatttgg	1260
ccaga						1265

<210> 96

<211> 568

<212> DNA

<213> Homo sapien

<400> 96

ccagtgtggt	ggaattcggt	ttaattacaa	aatttgatca	cgatcatatt	gtagtctctc	60
aaagtgtctc	agaaattgtc	agtggtttac	atgaagtggc	catgggtgtc	tggagcacc	120
tgaactgtga	tcaaagttgt	acatatttcc	aaacattttt	aaaatgaaaa	ggcactctcg	180
tgttctctc	actctgtgca	ctttgctggt	ggtgtgacaa	ggcattttaa	gatgtttctg	240
gcattttctt	tttatttgta	aggtgggtgt	aactatgggt	attggctaga	aatcctgagt	300
tttcaactgt	atatatctat	agtttgtaaa	aagaacaaaa	caaccgagac	aaacccttga	360

tgctccttgc	tggcggttga	ggctgtgggg	aagatgcctt	ttgggagagg	ctgtagctca	420
gggcgtgcac	tgtgaggctg	gacctgttga	ctctgcaggg	ggcatccatt	tagcttcagg	480
ttgtcttgtt	tctgtatata	gtgacatagc	attctgctgc	catcttagct	gtggacaaaag	540
gggggtcagc	tggcatgaga	atatTTTT				568

<210> 97
 <211> 546
 <212> DNA
 <213> Homo sapien

<400> 97						
ttgtaccgta	tctgtaggca	tctgtaaat	aattccaagg	ggaaaactaa	acgaggacgt	60
gggttgatc	ctgccagggt	gagtggggct	cacacgctag	ggtgagatgt	cagaaagcgc	120
ttgtatttta	aacaaccaa	aagaattgta	aggggtggctt	gctgccaggc	ttgcaactgcc	180
gttcctgggg	gtgtgcatct	tcgggaaagg	tgggtggcggg	gcgtccacta	ggtttcctgt	240
cccctgctgc	tccttcgta	agaaaatgaa	atattctatg	cctaatactc	acacgcaaca	300
tttcttgtag	tttgaagtc	gtttgcgaga	atgcagacca	cctcactaaa	ctgtaaacgg	360
taaagagatt	tttacttttg	gtctccgtga	gtcgcattct	tactaagggt	tacacaggaa	420
ttccacctga	agacttgtgt	taaagttcta	cagcgcgcac	tgttaactga	acgtcttttt	480
cttcagccta	tacgcggatc	cttgttttga	gctctcagaa	tcactcagac	aacattttgt	540
aactgc						546

<210> 98
 <211> 547
 <212> DNA
 <213> Homo sapien

<400> 98						
tactgggtgc	caagctatgt	gccaggcact	ttacatgtat	tgattttaaca	cttaacagcc	60
actctatatt	attccctttt	tacagatgag	gcaatttaag	ctcaaagcat	ttaagtagac	120
aaccaacct	gaatcacata	gcaaatgaca	gaagccagag	gcctcccaag	tctctctaac	180
tcacaacct	atgcttactc	tactatatca	cactaccttg	caataggaca	aagggaatat	240
gtggtaaaact	atgttcccag	catctaaaag	ccaggagtgg	ttttcatttt	tctttaagaa	300
gatgatagt	tgatttgaaa	catatctgaa	tttcagaaga	ggggactttt	aaaaattgcc	360
actcataagg	aaagaaagaa	ctttttcaca	tatttttgaa	agaaacgatg	gtgagaagat	420
attcttgata	atagagatat	gctaacattt	gctttgggtg	ttttgtaggt	tagatttttt	480
tggtgtgtac	tttataggct	tgcatattgc	ttacttttaa	cagctgaagt	tctaagtaag	540
agtgttc						547

<210> 99
 <211> 122
 <212> DNA
 <213> Homo sapien

<400> 99						
cagcctttct	gtcatcatct	ccacagccca	cccatccctt	gagcacacta	accacctcat	60
gcaggcccca	cctgcccaata	gtaataaagc	aatgtcactt	ttttaaaaca	aaaaaaaaaa	120
aa						122

<210> 100
 <211> 449
 <212> DNA
 <213> Homo sapien

tacaaccggt tcttgaaaat gcaaaaccag cggggcggcc gcgctctttt ccaggacatc 300
aaaaagcca 309

<210> 105
<211> 591
<212> DNA
<213> Homo sapien

<400> 105

cttatttctg catgggtcgg agagtgggcg ggactgcttt actgagttat agtgaatgta 60
gttttaacct aagcgctca catgactaac tctcatcca tcaagaatga gctcagctct 120
cacttcccca ctctcacc cctgtaaaag taacctttct ccaaggttat gcttcaacag 180
gaatagctaa catttattaa attgtggcac gtaagtatct tggatatatt ggctcattga 240
atctcacac ctactatttt acagagatgc cagtggggct tgagattgaa tcacttgccc 300
aggctcccac tgctggtaaa cagtagaggg ggctcctgac ccatcagtct ggcttgacaa 360
cccattccct caactgcgga tcccgattc ccttatcacc ctgttgattt ctccataggc 420
tgttgtaaca tttgttgcac gaatggaccg ttgaaatagg gcctggcagg gagaaattca 480
ggaaatgaat gaatggttct tccctggcag cctttgatga cttacaagcc ccttcaaggg 540
ggaaagccat ttttctccct gggactcctt gaaagcccg gagccctgcc t 591

<210> 106
<211> 450
<212> DNA
<213> Homo sapien

<400> 106

ctgccactcc tgccctctgct accccgaaac cggagagggg gctcaataat aacacaggtc 60
ccactaaact aattaagggt ttggcataac ctgtcattga attcaagtgt ccaacaactg 120
tttgcttaaa atatcattag acctaataatt tttttcaaag gcacaaagt taaacatggg 180
gggggcgggg gttgagaggg gtctgggata cccttaaacc caaaaaagtg atttgttccc 240
ccttgcccag aagggtgact gttccactgg gcctgtcacc acaggacatt ttccatgaca 300
agcactcacc ttcttgggga aggggcatca ggttggcaca ggaaaggccc aagtgagggg 360
ccactctgta cattaatact ttggtgatta atgtttgggg agaggcagga ttctcaccca 420
cctttttgac ttcaaacact ctactcaag 450

<210> 107
<211> 116
<212> DNA
<213> Homo sapien

<400> 107

tcgacgaaaag ttactgtcac tcagttgtaa atccatcagc ttttcacctg ttaaaaattt 60
tgcaaaatat acatgttctc ctctgtttt caattcttcc atcttttttc ttgagg 116

<210> 108
<211> 291
<212> DNA
<213> Homo sapien

<400> 108

ctgctcgaag ttgtcaaaac ccacgtgcag ggcaatggag agtccgatgg ccgaccacag 60
cgagtagcgt cctcccaccc aatcccagaa ctogaacatg ttttgagggt caattccaaa 120
ctccttcact ttggttgtgt tagtagacag ggcaacaaag tgcttcgcca ctgcagtagg 180
atccttggcc gcctggagaa accactcctt cgccgtctct gcattcgtga tggctcctg 240

ggtagtaaag gtcttgagg caatgatgaa cagggaggac tcggggttca g 291

<210> 109
<211> 662
<212> DNA
<213> Homo sapien

<400> 109
gctgtttcca cagtacgcct gcctcacacc ttgogatgcg ccaacatcac catcattgag 60
caccagaagt gtgagaacgc ctaccccggc aacatcacag acaccatggt gtgtgccagc 120
gtgcaggaag ggggcaagga ctctgccag ggtgactcgc ggggccctct ggtctgtaac 180
cagtctcttc aaggcattat ctctggggc caggatccgt gtgcgatcac ccgaaagcct 240
ggtgtctaca cgaaagtctg caaatatgtg gactggatcc aggagacgat gaagaacaat 300
tagactggac ccacccacca cagcccatca ccctccattt ccacttgggtg tttggttcct 360
gttactctg ttaataagaa accctaagcc aagaccctct acgaacattc tttgggcctc 420
ctggactaca ggagatgctg tcaacttaata atcaacctgg ggttcgaaat cagtgagacc 480
tggattcaaa ttctgccttg aaatattgtg actctgggaa tgacaacacc tggtttggtc 540
tctgttgtat cccagcccc aaaagacagc tcctggacct tgccccgggg cgccccgctc 600
ggaaaggggg cgaaatttct tcaagaatat ttccatttcc acaaacttgg ggccgggggc 660
cc 662

<210> 110
<211> 323
<212> DNA
<213> Homo sapien

<400> 110
tcctgtgaaa cagcccatctt tcctacctac tgtgggttgc tgetcaggag gaacgatata 60
cgccaataca agcaggaaat ctgcagctcc tctgctatgt gcctcagaac actttcaatt 120
tttctggtca atgctctgat taggtatcat acataaaagc cagcatatta gtttaaatct 180
ctaacaaaaa actatatctt ccaaagtcac tatcatttgg gccaatataag tgatcttttc 240
tgcttttgtt gagcttcac tttagggcat ctcttctttc ttcccattca tgaagttcgg 300
catttccatg tgcaaattta cag 323

<210> 111
<211> 336
<212> DNA
<213> Homo sapien

<400> 111
tccagtgcgc tccagcctta tctaggaaag gaggagtggg tgtagccgtg cagcaagatt 60
ggggcctccc ccatccagc ttctccacca tcccagcaag tcaggatata agacagtcct 120
cccctgacct tcccccttgt agatatcaat tccataacag agccaaatac tctatatcta 180
tagtcacagc cctgtacagc atttttcata agttatatag taaatggtct gcatgatttg 240
tgcttctagt gctctcattt ggaaatgagg caggcttctt ctatgaaatg taaagaaaga 300
aaccactttg tatattttgt aataccacct ctgtgg 336

<210> 112
<211> 218
<212> DNA
<213> Homo sapien

<400> 112
tttttttttt tttttttttt tccagtcagg agtattttta atcactgtct acagagacac 60

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<210> 113
<211> 533
<212> DNA
<213> Homo sapien
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<210> 114
<211> 261
<212> DNA
<213> Homo sapien
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<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G
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<210> 115
<211> 267
<212> DNA
<213> Homo sapien
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```
<210> 116
<211> 239
<212> DNA
<213> Homo sapien
```

```
<210> 117
<211> 168
<212> DNA
<213> Homo sapien
```

```
<210> 118
<211> 150
<212> DNA
<213> Homo sapien
```

```
<210> 119
<211> 154
<212> DNA
<213> Homo sapien
```

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<210> 120
<211> 314
<212> DNA
<213> Homo sapien
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```
<210> 121
<211> 601
<212> DNA
<213> Homo sapien
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<400> 121

aaaaaaaaacc	taattcattg	aagtaataac	caaataattt	tcaatcttga	ttcaactgtg	60
attcaaatct	tacaccattt	gccccttcta	tgaatttatg	tataaaattt	tttaagagtc	120
agagtttttt	tttcttgatt	aattggatgt	atttcacaga	atttccaact	gtcacggtta	180
gttttcttcc	ttttagagtt	gatctctcta	atgtattaga	tcttcatgcc	tttgatagtc	240
tctctggaat	aagtttgcag	aaaaaacttc	agcatgtgcc	aggaacacaa	cctcaccttg	300
atcagagtat	tgtacaatca	catttgacgt	accaggaaat	gcaaagggaag	aacatcttaa	360
tatgtttatt	cagaatcttc	tgtgggaaaa	gaatgtgaga	aacaaggaca	atcactgcat	420
ggaggtcata	aggctgaagg	gattgggtgc	aatcaacgac	aatcacacac	aagtgattgt	480
ccaggggtgc	catgagctct	gtgatctgga	ggagactcca	gtgagctgga	aggatgacac	540
tgagagaaca	aatcgattgg	tectcattgg	cagaaattta	gataaggata	tccttaaaca	600
g						601

<210> 122

<211> 486

<212> DNA

<213> Homo sapien

<400> 122

ctgtttctaa	ttgcttttgt	gactgttacc	ttttagttca	tgccccccca	aagagctaaa	60
tttcacattt	ttacctacaa	aattgatttt	taattcctgc	aaataattta	ccattatgag	120
ctacaagggtg	ggcaacagcg	cctgaggatc	taattttatg	catattactc	ccaagtattt	180
taacacttgt	tggagaagca	atatctggat	caataaaaaca	ctgtcccatc	aaccatttga	240
gtggggagag	ggagaagctc	ttctgtaagt	aagattctgg	caagctcttt	gaaatgagtc	300
ttctttccca	cagattttct	ctactctttc	aatacaaaca	gataggagaa	gaggggaatag	360
aaacctggag	gaacttgaat	atTTTTgttc	tagatagaga	tacagttatt	gaaaaggaaa	420
cctagaaagt	agtcacacgt	cgcttattta	ggccagaagt	aattgtactg	ggcaaaaatt	480
tcactt						486

<210> 123

<211> 239

<212> DNA

<213> Homo sapien

<400> 123

ctgggtgggtc	tttttttcct	ctcagagctc	aagcctgtag	tgccctgatgt	catttctttc	60
aagttgcccc	cagtatctcc	acttaaaacta	ggctagtaac	caaaaataatg	tggaccttct	120
ttaggaaaca	gtgtgggaga	ataggagtcc	agccgtaaga	taaactggaa	atatttgggc	180
gtcttgtacc	tggctacgca	ccacctcagt	gttgttccca	cataaacaag	gccccctttt	239

<210> 124

<211> 610

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(610)

<223> n = A,T,C or G

<400> 124

ccanccaagt	cnttgatgat	cactgaccen	cgcgcgcttg	ctggaccaag	gtggctgcgg	60
ggaaatcgcc	acngngcttt	cggttttctt	ggtgaaggaa	tacaccgcgc	cgacagcagg	120
ttttcagtca	gggtcagggg	ctgttgcttg	cgcgcgaaaa	tcaccggtac	gccgaggttc	180

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<210> 125
<211> 196
<212> DNA
<213> Homo sapien
```

```
<210> 126
<211> 247
<212> DNA
<213> Homo sapien
```

```
<210> 127
<211> 590
<212> DNA
<213> Homo sapien
```

```
<210> 128
<211> 361
<212> DNA
<213> Homo sapien
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<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(305)

<223> n = A,T,C or G

<400> 131

aaacacatac	gaatanttna	actgtgatta	tgaagtgaca	gccggctaaa	tatgtcttgt	60
atcttctctc	ttcctttttt	tgctaactca	tcctttattc	cattcctgct	tccatggtaa	120
tgcaggctca	aataaattac	taggatacaa	gattacttca	agcctctttt	ctgtggaact	180
cataatatga	taagcatttg	ttacaagatt	gcctgtagtt	gtttagggga	caaattatat	240
tagggaaaga	aagtctttct	ttagttgggt	aaattttcta	ttataattgg	gtactaaatt	300
tattt						305

<210> 132

<211> 545

<212> DNA

<213> Homo sapien

<400> 132

aaacaatgct	acactcattt	ttggcaaagt	gctgtattgt	tcagtctgtg	tacaaaactg	60
accatctatg	aaccaatcag	tataaaaaat	ttctataaaa	acaaaattta	gacagcggct	120
caagaaaaca	agctgccatt	tatgcataga	ttgatgtaca	gtaacctaac	caaatgtccc	180
ttttgaattt	tcaagttact	gaaaaaaaaat	gtgtcgagaa	acacattaag	aaggcacatg	240
tacagtctac	aatactcttc	agtctcccta	actcatgccc	tgcccctata	aaggaaatat	300
gttcacaatt	ttacttgaga	aaaaaaaaaca	aagccactta	aaaaaaaaaa	aacacacacg	360
caattattaa	agttcaaaat	ctctggagga	aaatacaagc	aaaaccactc	atacactcca	420
agcctgaaac	acacatctaa	cctccccagg	tactggtttg	gttttcagag	gtccacctag	480
aaaacaaatc	taaaacttca	ggcaaaacag	agcaaaaactg	gacatttaac	aattacacaa	540
ttttt						545

<210> 133

<211> 330

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(330)

<223> n = A,T,C or G

<400> 133

aattatttatt	actaatatct	tataatgttt	tgtggnaccca	tggcatacct	tgggtactat	60
tgtaacanat	agttcaggaa	accctactat	aaggttttatc	aaatggtctc	ataaacagtt	120
acttattcaa	gcacgccaaa	gctcagtgaa	aagtattttt	cacccttact	ctttctcgtg	180
tcattcaaag	agaagttttg	atgtagtgtg	tttatttgta	gggagtaatg	aacagatcca	240
tttcacagta	gactttgtgc	tctaggtgat	gcagctaatt	gccccagttt	ggaaaacatg	300
gacttgatg	aattgtcttt	tgtttgggac				330

<210> 134

<211> 627

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 134
 aaatattact tcaaatacat tttaaagctc aacaaaacttg tgttgaactg aattgcagat 60
 cctgaactct atttgaaaat acatcatgaa acagaaaanc ccattccaaa tgaaaatgat 120
 agtgctttgt tgggggtggg aatgaggcgg ggagactaaa tcaactattaa cagacttctt 180
 ttccaatgc aatttgtcaa aagttcaaaa gttctgaaat gtactaaatc ttaagcaaata 240
 taaattcatg atattactaa aacttttttaa atagtgcatt gacttatcaa gttatagtgg 300
 ctgcattaag aacaaattat tgtgtgaaat acctgtataa acacaaaata caattaaata 360
 tttctttaca aaaagctgag cattacgcat aatagtggaa tgtctttcat taggtgtatt 420
 ttttaaagat taacaaaagt aacatttcct aaaatgtata catgtgccat atttttgcaa 480
 acatgcctga gaatgtatct aaaacatttc tgtagtaaga gtttgcaaga acttcacaaa 540
 cctgcaaata aaatgcattt ttttaaaaag gtgaaaatgg catctccaca ctgcaacaat 600
 tcaaaaagtg cagcatccct aatcttt 627

<210> 135
 <211> 277
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(277)
 <223> n = A,T,C or G

<400> 135
 aaaatcaa atattatttg ttaaaaatca gcttggtttca ttacnggaaa ttacaccagt 60
 ccgttctatt tactttcaaa ccatattcaa ctctcaact ttcaaacatg taatcaacta 120
 atttcaaaaag ggaaaaggta ccctttataa aggagagatc tgtaagaca ccaagaaatc 180
 aaaattaata tcaacttaata attaatgga taacacatgc ctccaatac agtgcagtga 240
 gaaacacaaa acatcaattc ccgcgtactc tgcgttg 277

<210> 136
 <211> 486
 <212> DNA
 <213> Homo sapien

<400> 136
 aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct 60
 gaaccaaagc cagggtcagc aaggttcctt tccactgttt tgccaacttc tagaggccac 120
 ctgtattcct tggttcatgg ccctctctt catcatcaaa taatcagcat agctttatga 180
 cattggcagc totgattttg ctcttttgcc ttctctttat gtagaccctt gtaattacat 240
 tgggtacacc cagataaccc caaataatct ccctatctca agattcttaa tgtaattata 300
 ttgggaaagt cccttttgtc atataagata acatagcaat ggattccaag gattagtatg 360
 tgagtttctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt 420
 tctatgtacc agaaataaga cattaggtatg tgaaattaat aacataacac cacttacggc 480
 atcacc 486

<210> 137
 <211> 552

034950" 92954350

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

<400> 137

ccatcttgca tcaaatgttc ttaaggcagt gactggctat caaccacagt ttctgtctcc	60
ccagttgcaa acacaggatc catgcaacag ttctgagacc atacacttag aaaccacagg	120
ggatgcgat caaatgcaga actcccaaat tataaaacag tcaggctaca ctcaaaacaa	180
aacatagaac atcaacaaca cacatctccc aaaaaagaag tgcaacgcat gcttgtataa	240
accaacaata acaaaaaaac cacaataaaa aatgcagagt ctcccaaca agttttcaaa	300
tgtattgcan aaagaaaaaa aatgtatata tatataaaat taaaaagtct gaaatactag	360
tgcatagtca attacctaac accaagtttc ttttctttct gtccaagctc tactgcccct	420
ctgatactag cagcatgtct acaggctaag accatagcag caaaaaacgt ttttcatttg	480
gcattttaca aattaaatta ctgaataaaa atataatttt ttataaaaact atttcttaca	540
gtaataattt tt	552

<210> 138
<211> 231
<212> DNA
<213> Homo sapien

<400> 138

aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct	60
aaatggttga tctctggttg tcattacttt ttcaaaatat ttttttctgt aaagtataat	120
atataaaact tcttgcttaa attgaatttc tatattagtg gttaattgca gtttattaaa	180
gggatcatta tcagtaatth catagcaact gttctagtgt tttgtgtttt t	231

<210> 139
<211> 535
<212> DNA
<213> Homo sapien

<400> 139

cagttgccaa cctctgaac cgttttaggc ggttcatcgc tgctttttaa tctgggcccg	60
tggtgatccg gcaagggtg aaaccaaaaga gcgggggctg tgaggccctt cgcagtcctt	120
cgtaagtcgc tgcgatggag tgaactatca cgcacgtgtt ttatttcgtc aacacgaaat	180
gtgatttatt tttgcgaatt aacacggcag ttctcggtta cgttttcgga aagcgtggga	240
tatgattctg tctatcctgt acggatatac agtaattacc gggaggggat tccatggcga	300
agaagcaggc ggcaccggca gcacggcagg aaatgagcgg tatggcgcgc ctcgggcttc	360
gcgtctcatc gatgattaat cacccggtcg ccagacgca gcgtgggtt acgattcatc	420
gcctggacac ggatggggat cgggagtggt aagaggttct gagcgtgatc gctgataccg	480
acgagctcga gctgacgctc aatgacgatg gcagtgtgac ggtgaggtgg gagca	535

<210> 140
<211> 640
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

TC050"32964850

<222> (1)...(640)
 <223> n = A,T,C or G

<400> 140
 acattggtgg cacttgaact gagtgcaaac cacaacattc ttcagattgt ggatgtgtgt 60
 catgacgtag aaaaggatga aaaacttatt cgtctaattg aagagatcat gagtgagaag 120
 gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa 180
 atgaggagag atgggtggcc tgccatgggt atccatgggt acaagagtca acaagagcgt 240
 gactgggttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg 300
 gcctccagag ggctagggtta gtacaaactc gcattcatgg cttggtttcc cagaagatct 360
 ccatttaact tttttaaaga aagtttattg ctttctttta cctgcatitt ttctaagttt 420
 tttttcgcac aaagggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg 480
 agggggatgg aggactagtg atccggctgg ctgcttccag tcgattagag aggtgaaaaa 540
 gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgccccent 600
 aaacttggtc tttttccgaa ggggaaaaaa aaaatggaaa 640

<210> 141
 <211> 127
 <212> DNA
 <213> Homo sapien

<400> 141
 aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag 60
 gaaaaacatg tcttatgcac tctaataata ttttttcaat tagtataaag gcaaatgcgg 120
 ttttttt 127

<210> 142
 <211> 126
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(126)
 <223> n = A,T,C or G

<400> 142
 aaatatcctc tggatgcntt caagtaatac taatcatttc atngngnaaaa gtctttttaat 60
 aaacaaattc agagtaaaat taattgaaat atttataata catttggtac acagttattt 120
 ccaata 126

<210> 143
 <211> 730
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(730)
 <223> n = A,T,C or G

<400> 143
 gcaagttctg gagtgttcac ttctgagcct gaattccctc ccttgcaaaa tgggggaata 60
 cctcctcag aggtgccctg cgaggggtgag gggagatcag catggcaggt gtgctgggca 120

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cggcagggcc tgggaagggc agatcctttc cccatccctg ccacaaacaa cccaaacctt 180
taaaggagag caatggcctt gtgtcaaaaa caaaaaccct gtcctaggag 240
actggggccc taatttctaa tagcaagcct ttatgagtc ctaacactct actgggctga 300
gtatctcaca cgccagagga taacctgcct tctgtcacc accaccccg agtagttgtc 360
attgtgtcca ttccacagat gaggcaaagg ctccagaagag tcatgtgtta aaccagcttc 420
tagagcccat gcaggagctg cagggtggga gaatcacctc taggtgctct tcccatggaa 480
tctcaccct ccttgagtgg tcactcactc anctttccaa tgggtgtgtg acctttgacc 540
agctttcttt ccttntctgg gcctcagttt cccaccttgg acaaagtaag aggtctcttg 600
ggnttcangg tagttcttcc taacttcttt tcttttcat ttgagcatcc ttcttcattt 660
tttgccacct ctcttgatcat tacangcttt taccttcggc cgcgaaccac gcttaagggc 720
naaattttcca                                730

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<210> 144
<211> 485
<212> DNA
<213> Homo sapien

```

```

<400> 144
ctggtcagaa atgattctct tgtgacacca tcgccacaac aggtcgggt ctgtectccc 60
catatgttac ctgaagatgg agctaccttt cctctgtgtg gcattttgtc gcttatccag 120
tcttctactc gtagggcata ccagcagatc ttggatgtgc tggatgaaaa tcacctgtgt 180
tgcgtgggtg gtctgtctgc gccacttcta atcctcatca tgacaacgtc aggtatggca 240
tttcaaatat agatacaacc attgaaggaa cgtcagatga cctgactgtt gtagatgcag 300
cttcactaag acgacagata atcaaaactaa atagacgtct gcaacttctg gaagaggaga 360
acaaagaacg tgctaaaaga gaaatggtca tgtattcaat tactgtagct ttctggctgc 420
ttaatagctg gctctggttt cgccgctaga ggtaacatca gccctcaaaa atattgtctc 480
aacag                                         485

```

```

<210> 145
<211> 465
<212> DNA
<213> Homo sapien

```

```

<400> 145
ccaagacagc tcgtttctgg agagtatgag ggtgtgtttt cttattgtga aaggaactac 60
cttctcttag aggttaggaa gaatgtggtg tgtgtgtgtc tcataaagca accggacatt 120
ataggtgccc aggtcatcta taaaaacgat ccttgggctg tgtaaaaatg aagtggcttt 180
tcagtatcct ctttcacact tgctgcttcg ggagactatg caatgatggg aaggtgattg 240
cccccttatt tcattcagtg ccatggctcc tgttgttgta gtaatttatt tgtttagttc 300
attttttttt tcttaacagt caaggggaag agtgattcct cacactgctt tcaagctgga 360
ctgagccagt ctcatctctg gaaagaaatg ctgtgtccag aactcagcag ctccatctat 420
tttttccagt cgaaagaaac tgatctttag gcagttttta cttgg                                         465

```

```

<210> 146
<211> 351
<212> DNA
<213> Homo sapien

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<400> 146
ccagccgggg taatctgtat gtggcggact tgagctacga cgtgggcggc aagtgcctgt 60
ttgaccagat cagcggcgtg aagcttatgc caactcatcg tttgataaat ccgaggatca 120
gttcaagacg tcgcagcggg tgatttttgg aacgtcgttt tcggtcagta aattgtgggt 180
agcgacggag tggttgatcg gcaagaatga tccgtatatt ggcgggagca gctataccga 240
gagcctgggg gctgggggga gtaaccagtg ggagaatcag ttatatatga acattgggta 300

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ctactttctga ctttaagatct ccagcggtttt aactggcctt atcgcaggca a 351

<210> 147
 <211> 654
 <212> DNA
 <213> Homo sapien

<400> 147

acttattttt	aattactgaa	tatttcttag	acgttttggg	acagatttta	tgtaatcttt	60
ataagtatga	tttctgaaga	aaagcaaagt	cattagtagt	tttgccttaa	acttgtagac	120
taaaccaagt	attgtaaaat	aaacagcgat	aacagtgata	gtttttaact	ctatgggtcat	180
tgtatcactc	tggaaaaatgt	ggagtagctg	taataaatct	actcctgtat	tatgctttac	240
agtgcaggtc	ttagtttttc	ttttttctca	tttcttttga	aatggcatct	cgaacaaagt	300
ccaccaatcc	ctttacaaaa	gaatgaactg	ctcctctgtg	tgtacttcat	agaaggtgga	360
atcggacaga	ggcaggttag	tgacagttat	tcctgaaata	caggagcaga	gtacagtcgt	420
ttgtgggttc	coggattccg	cgcctagctc	agccaattaa	gcatgagaca	taggccattg	480
agccacttag	tagttatgcg	agtggataga	ttggtatgta	agagggaaag	aggtctgctg	540
taaagaacaa	cacttggttg	tctgtgggga	aagaaaagca	gaatcttgag	atgaaagtgt	600
gcatacaaat	aggatactat	cgccagtagg	ttatattaca	aaacatttat	cggg	654

<210> 148
 <211> 539
 <212> DNA
 <213> Homo sapien

<400> 148

tgaatatcat	gaggggtgatt	ttcacctgat	tgcaaaaactg	ccatagtttg	aaacactttt	60
tcaatttacc	agacacactc	tgtcaagact	tcataactt	ccaacttgca	agcctgtgtt	120
ttgcctttct	caacctaaaa	aggaaaagct	ttaaacgatg	aacttacatt	ctattaaacc	180
atcagacttg	agcttatcca	tctgtttagc	gtgaatgtac	aaaccaggta	catttccacc	240
aaacacatag	aaaaatcttg	tgcatcacag	ttcagctaag	ggtagtagga	caatccttac	300
aatcctcctt	ggattttctt	tttaagatgt	caaagaagca	ggtaagcaac	attgttcatt	360
tgttactggg	tgttctagat	caaaccttca	caagctatat	atatagttct	atagtctata	420
gcttacaaat	ggggttaaca	agtaaaagaa	aagaacaaat	tatactttga	cactttatag	480
tcaaagtata	attaaaaaag	aaatcctaca	gtgggtaagt	gagaaataga	taatttttc	539

<210> 149
 <211> 273
 <212> DNA
 <213> Homo sapien

<400> 149

tttttgggtca	ttctcctcaa	ggagccgctg	gatagtagtc	ttgattgact	tcacacctgc	60
ccctcataca	gtccggtact	aaggccaccg	acatcccagag	gaacctccgg	aaccacgacc	120
gccaagcaac	tcgacccacg	ataggtgggg	cctacgctct	cgaagttgat	tggatgctcc	180
cgcctacagg	gcggggtaca	gaaggagcgt	catttgtgac	tggacgcgca	agagctatac	240
tcagcagctt	tcctctgtcc	cagcccctag	aac			273

<210> 150
 <211> 200
 <212> DNA
 <213> Homo sapien

<400> 150

gtttttacta	ccgtatggcc	cattttaaag	ggatgtgtac	gccttacact	ataaccctta	60
aaccacctag	aaatatgaaa	ctcaaactgc	cactgacctc	cctcaccaag	ctccataaaa	120
gtaaaaaatt	ataacaaacc	ttattaacca	aactgaacga	acatatgggc	gattgattca	180
ttgccccac	aatcctaggg					200

<210> 151
 <211> 515
 <212> DNA
 <213> Homo sapien

<400> 151						
ctgtagcgat	ctttaagaat	attttatata	tgaaatctgg	atthaggggt	cccatgggtct	60
ggcaccactg	ggtacagtag	ttctacatgg	cagtaattca	ttggagttga	agcagtgagg	120
aaagagtcaa	gtactagtct	tttatcctca	gtgtccagtg	actgtcaaga	gaaatgggac	180
tgccttctgc	attgggatat	gtgggttaaa	gagtagtcca	atatagaaga	gtgagaaagt	240
gmaccctctg	aggcatagta	atgttttatt	kraaaacatc	tcacatgtat	tgaatactta	300
sataggatgt	attctgtatt	actgaatttt	ccagattatt	gaagcaatca	cctttctgtg	360
tttaaagttt	tagaaagaat	gcttttataa	atgottaaca	taagataagc	ctgttttcat	420
ggtgcaaggt	cctttctatg	aacatgaatc	actggactct	gaggggttga	ctaagatcac	480
atctacatcc	cttttaaatg	actagtgtgc	tcaga			515

<210> 152
 <211> 243
 <212> DNA
 <213> Homo sapien

<400> 152						
atttcaacaa	catacttgtc	gaggtagtta	taaatcttct	tagggggagg	tggtggtttc	60
tgttggaatg	ccaattttac	agcttctgct	gctgatcoag	gttctttaat	tatgcttttc	120
tttgagtctg	cttcagatag	cacaacaaaa	aaatgatgac	acttttcaca	cttgacaaaa	180
cgggtggatg	atacaaaaag	tctctacatg	tgtgcacaag	tcgccacatt	taggacagcg	240
cag						243

<210> 153
 <211> 620
 <212> DNA
 <213> Homo sapien

<400> 153						
ttgtcttctc	taccttacca	tagccagttg	ctttcatttt	aaaccagagc	aagtaacata	60
ttagtgactt	gaatcttcat	aagttaaagt	aaaaaacagc	aaaaaaccta	gatctttgtc	120
ttttagaaca	cagaccattt	tcaggaaagc	agtttagctaa	gtgttttaatt	catgaatatt	180
gtatactgca	tcccctacca	caattttacac	aatcctgtgg	atagtcctac	ctcaccctgg	240
tcaacctaca	tgatccttaa	gctaattggcg	gatcacgatg	accttgtaga	catgcacaca	300
actatacctt	tgtccaacag	atcataatat	atctgctatc	caactggttt	tacctgccta	360
atcctactga	tttgggcaact	gcttgtagat	tctctcaagt	tcacaggaaa	tggttgatttt	420
ctaaggtcct	cattttttaca	gagtatacag	gcaaagtgcac	aggggaaaaag	gaattagtct	480
aagagtaagg	ggatgattat	tatattgagg	ctaaaaaccac	aaagtggctc	aggcttttaa	540
aaaaaacact	gtggataatg	acaaaaagca	taagtaaaaa	tattttgaga	aaaataaagt	600
acaagttttg	aacacccccc					620

<210> 154
 <211> 843
 <212> DNA

<400> 154

<210> 155

<211> 674

<212> DNA

<213> Homo sapien

<400> 155

tttcgtgtca	gccccaggtt	tgtccagct	attcacaagc	agaatataac	acaagaaaaa	60
caattcatat	cccttaggga	aaaaagagga	tcaattcatc	actcaatatt	taatacagcc	120
aaaatgagct	gccaaaacaa	gcacacacac	aaatactgtg	aacagaaaaa	tacaagaaaa	180
tgactaagct	gggagtcttg	acggggtatg	gacattgctt	aaagcactta	tcagtcacca	240
gaaaaaccaa	accaaaaaca	ttttttaoga	tggcatggcc	tcatggcccc	ctttaaaact	300
gttgatggta	acaaagggca	gggggtgggg	agagaaaaca	caatcactgc	tccctttttg	360
ctcgccagtg	tgactgcacc	cctcacggca	cggcatgta	cacaactacc	acacaaggag	420
gaccaagtc	ctctgctggt	ggcctcctaa	aaggcaaggc	ttgagttttg	gctgatgagc	480
aagtctctc	ogttaccaat	ccctgccaac	cagcactacc	atggctgaat	tgatctaccg	540
ttttcctgag	taaactgtaa	ctggctacag	tttcggtaac	atggaaaaga	actcagctac	600
tacagccaac	tgcaatactt	caggaacccc	ctccatccct	ggggctcctc	actcctagtg	660
catcttgatt	qqat					674

<210> 156

<211> 671

<212> DNA

<213> Homo sapien

<400> 156

cctttagtga	acacctttat	ctccatgtcc	ctcttagagc	ccagagagct	gcccataggc	60
attttccaga	attcctcatg	tcaacctagt	caattttccat	taactcagat	cagccattgt	120
gattcaccat	ttgtcaggct	ctcagggtta	acaaaacctt	ctatcaccat	catccttcaa	180
cagccacagt	ctgaattgag	ccaacatttt	tttttctttg	agaaagaagt	gggctggggc	240
acaactttta	gtctgagggg	agctagtagt	cggcttgaca	attaaagcca	tccataacaa	300
cttttcctca	aatgtgttga	ctcctcaggg	gctaaactgc	tcttagctta	gaattatgat	360
ttactagaga	tctaccatat	aagtgggtta	atcactacca	tctctgtaact	agttatatag	420
cttccagaca	tgaggggagac	atcaaacagg	gatggaagca	accccaagga	tatgcaagaa	480
gggcatgatg	aaccccttct	ctcttggcag	gagaaacaag	ccaaccaagg	gacagactgg	540
aaagcactta	qatgttttaa	gagggaqaaa	gggaagcttt	gaccagtcct	tgctttttgc	600

caagttcagc cagttctccg ctgcttgcaa cctctagcgc agtaacattt tgcagaattg 660
cagattttcc c 671

<210> 157
<211> 474
<212> DNA
<213> Homo sapien

<400> 157
cgcggttcttt aattctttta gcctagaaag tccttttacac tacttaccta aaggtcccaa 60
agtaaaacac aactagtag taaggctagt gcatttcctt tctagcactc aaagaaagct 120
taacattttt gacagtttgc aaataccgcc ttgtattttct gattcagcct tattcaaagt 180
atcataataa aatattttatt aaatstatgt tgatctgcgt gcatttatga tctccagatt 240
aacgttaggc ttctctgttg ggccctaact tggaggtgct tttttggatc cctcctcccg 300
tgattcattg taatttcatt tcccttgtca tggtctgcac cagagaagat tctaaatatt 360
tgcccccaaa gccaaaatta tatcttttga aaagtgaat gaagagttga gtcastaatt 420
tatttttagat attactgcct aaaacaattc cccaaaattt atggaagttg gagg 474

<210> 158
<211> 584
<212> DNA
<213> Homo sapien

<400> 158
ttggattctg cagttccaca tcattcactc cggcaaagga gagaacttgt aacaaagatg 60
agtgccaaagt ttagtcaatt taccctacct ggaatactat atacaactct ggggtctcatg 120
tgtgttaaaa tacatacagt gaagctgagg aagagccact gaagtaaaaa gtattgttta 180
caagttggaa aggatgtaaa aataatctaa agtatactaa gtcaggaata aaaggcagag 240
ttaataaaat tgtggctggg actgatagac gaaacagata tattttctaa atcctggaat 300
aattattaaa aaattttaca tgtatcaatg gattccagac tccatatttt aagtttcaca 360
actactgtca tttaaaaacta taccttattg aacgtctccc actctcaata aattacccca 420
aatcactctt ctccaaaacg taaatttggg acacactgac ttacaaattt tgggcttaat 480
ttataggatg ttgtggccct caaaaatattc attgtgggct aaacaaaata aattcttgaa 540
acaattctaa aatcaatca ttgtccaaaa tgaacttttt ctaa 584

<210> 159
<211> 671
<212> DNA
<213> Homo sapien

<400> 159
cctaatttta ttacttttct tgccactgct attattgata gaaatacaat taaataatta 60
agatgaacca atccattgga agattactaa aattgtatct tcccaatgcc tcctacagta 120
agatttcttt ataattataa cccttgaga caatttgaac tttattttaa tgttctgctc 180
aaatctaaat ttccttctcc taggctgaag cctgatctaa ataaggaagt agttgggata 240
tatccacagg ctgtcgaaca tggagctgca tctgagagac aggtggcagc aacccaaagc 300
aaagcaggga ctgagaacag gcaggttcca agagcaaaat ggaacttgaa agccaagtat 360
ggttcaactgt aaaggagaaa atatagaaat acggaactag aacacctggt ctgggatgtg 420
gtaagcacc ccaaatatagg aaaactgtat gaattcttgt gaagcagtaa actatgatag 480
taatcatgtg acacatatga taacaaactc aaaacaggga aaagaggggc tttattcaat 540
gctggagata agtgaaaaaa aaagtgaagt gtctcaagga cagaagttat catctcaaaa 600
aggcatatca gctagatctc gcggaaacca tatgattatc ataattctag actctgttctg 660
gtattacaaa g 671

<210> 160
 <211> 315
 <212> DNA
 <213> Homo sapien

<400> 160
 ccagagaggg agggctctgc ttcaccacag ggcaccagaa gaggactggt ggcgagggaag 60
 accaggtaat cataatgcta ttaaaaatag cagtaatcat actgttttat acattgtata 120
 atgtcataag gattttaact ttcattgtaac ataattgctg taaaagtttc cccagtttgt 180
 tttgtgctat ttaccctggt gttaaaatgt gtaagaattt acattttagg tatgttaggt 240
 ttattccttt ttatatggtt tctgtttgaa attttgattt tagaagacat tcattctcaa 300
 ggtcataaaa cacac 315

<210> 161
 <211> 607
 <212> DNA
 <213> Homo sapien

<400> 161
 ttttgtgtgc accttgata attgcttaac ttttaaaatt tacgttccct catttccaaa 60
 aagggtattat aactcactgt tattttgata attgagataa atgtacgtac aagtgttttg 120
 aaactgtaaa gtgcattata aacagaggga tttaccatag aggttctacc ttgatgtatc 180
 aagagaagcc ttttctggaa tctggtgcag ccttgtgaga tgctgttagg taaggggact 240
 ccttggtaga atttcttaca tttgtgtaaa aagttctggt tcctgagtaa ttccaaagaa 300
 gatgctatga ggagttcact gtgcctttga tttgatocca atgggtcaga atatgttttc 360
 tcattcagta ggctactaca ggatttgaag tagaaaaaac aggggtccagt gaccttcacg 420
 ggatcctaga tgttcatgaa tttcaatcat ttgagattgt ggggtgtggt ccaatgctgc 480
 tctcaaaaag atgttgctt tcttcasaga gcattaataa ctaaaaaatc ccctggtccc 540
 aaatttattg tgtgtmtctg aaggctttaa ctgaagaaat gaaawgcaca ctcatggaac 600
 aaactaa 607

<210> 162
 <211> 443
 <212> DNA
 <213> Homo sapien

<400> 162
 tgagttttga aaaagtgaat aatcaaaagg aaaataattc cttgttggtc ataaattaag 60
 catcactaaa gtctcttgaa aggcatttct gtattgggca agatttaaaa tactaaagcc 120
 ttaggtccta ttcataatga aagtagcatg tttgtaacct gttactatgt ggagagagaa 180
 gcagttgcct gccacaattg aagactacct ttcaaatagc aaaagagaga gagaaggctg 240
 atatttcggg cttttaaata aagattttgt tggttctgct tttactgtaa ctgtcacttt 300
 cccagtgaat atgatttcat atacatttga gggctttaca sgtatgggta aagttctata 360
 aattgcaaca aaatgatacc caatttcatt ttatcctttt tgtattgtga aactggaac 420
 tttatgacat tgtaaattat cag 443

<210> 163
 <211> 686
 <212> DNA
 <213> Homo sapien

<400> 163
 caggcaaat atagtcaaat acatcacccc cctcaggcat ctgtggcaag gcacccctct 60
 agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag 120

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ccccattgtt ctcctagaca aggccatgaa ctggcaaaaac aagagattcg agtgagggtt 180
gaaaaggatc ccagaacttg gatttagcat atcagggtgtt gtcgggggta gaggaaccc 240
attcagacct gatgatgatg taagttagct ttgtatatcc ttgaaacacc tataaagttt 300
tattttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta 360
ggtagacatc acctggatto cccactctat tgcttacctt tttgttttgt aatttgatca 420
gttcaagtta aaacaattta accaaaaact atgaatgttt atgatataat gaaatgattg 480
ttaactttct tattgctttt tcacacacct ataaaagtaa ttttattact cccaagagaa 540
atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag 600
gagaagtcaa ggggagaaaa cttgtcccaa tgattcaaaa taattttggc atgggggggg 660
ggagggaaaa aaatttggtc tccttt 686

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<210> 164
<211> 706
<212> DNA
<213> Homo sapien

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<400> 164
ttttttttgt ttcatttgcg gcttaaaata aaaattataa attagattta aatggagcac 60
taattataaa acagattgca agtaccacca tttgaaaaaa aaaaaaaaaa tcagtggatt 120
tcataacac agaaaatgca tggacatgca tctacagtag agttaaaaat ttcctgtgac 180
taaaaaatta aaaactggaa tcaccagtag caaatgtata gtcaatggct atgacaagaa 240
cagatcctgc cgagctcata aatgcaatta ttggcttttt tgctttataa aaaagacatt 300
acatattttt ttgcattatt ctcctaataa aaaacatact accacgtagc tctccccatc 360
ccatttcttt gcttcagat ttttatagaa aataactgtt ttagtctggc ottggaaagt 420
gaaccacca gcaccacctt cacctactca ctottcaatt caatatgcac atagcaaaag 480
ccaacacttc aaatctcttg cccacatcaa aaaaagtagt ttcaggagaa aaacattaat 540
accagttgaa taaaaataag ggcataaaag ctatgagaga gatagctctg ccactctgtc 600
ctgggctaaa aatcaaggct aactattgcc tttggcacca caaggttcaa ggtccatggt 660
tttattagaa aagtccccac aaaaaatta aacccccctc acccca 706

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<210> 165
<211> 427
<212> DNA
<213> Homo sapien

```

```

<400> 165
tyywgggcaa ttaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
aaattgtccc tgtttgaga cgacatgatt gtatatctag aaaaccccat tgtctcagcc 120
caaaatctcc ttaagctgat aagcaacttc agcaamgtct caggatacaa aatcaatgta 180
caaaaatcac aagcattctt atacaccaat aacagacaaa cagagagcca aaatcatgag 240
tgaactccca ttcacaactg cttcaaagag aataaaaatac ctagggaatcc aacttacaag 300
ggatgtgaag gacctcttca aggagaacta caaaccaactg ctcaaggaaa taaaagagga 360
tacaacaaa tggaagaaca ttccatgctc atgggttagga agaatacaata tgggtgaaat 420
ggaaaaa 427

```

```

<210> 166
<211> 124
<212> DNA
<213> Homo sapien

```

```

<400> 166
accatgtttt cgttgtgtgt gagcaggga gggaaacttc ctgccttatt taaacctggg 60
ccgaggattc gtggaatctg ottgatcaga gactctgagg ccaaaaacgc atcatacttc 120
ttgg 124

```

<210> 167
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 167
 tctgcatagc aaatatgatt taagaattta acatcattat ttgatcacia gcgtaaatat 60
 gtcaccataa ataaatgtaa attcattgta caaaaattcc caacaactct taatacaaat 120
 atggtacatt tgacagtffc tgaaacagat tattttttaa acttttttaa acctaagctt 180
 tatttttttc ctggttatta gacacacaca aaaaaataa aaagaggctg gg 232

<210> 168
 <211> 677
 <212> DNA
 <213> Homo sapien

<400> 168
 tttcacaatt aaccaacatg caaaaattct cagactaaac actgagaaat ttttcataca 60
 atgcatttgc caccettattg catittttaa atctttattc tatagtgaat tggatttccc 120
 aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 180
 aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 240
 ccaagtggag acatttcaca caattcattt agtgacaagt gggcttgctc ccttttcac 300
 caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcatittaa 360
 ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca gaaaacttaa 420
 aagacacaaat aaccaaacc aaaaccctct tcaaaacaag taagcaatgt ctgtatttag 480
 ttactcttaa aacattctta gcttttcttg cagtttgctc ctaaaagatt tgattgggca 540
 caagaggaaac gaaattatta ataaaataaa agcttatttt tgtttttgct gtggataatc 600
 ggtacaaaac gtttcagat ctgagactta aatggatctt ttaaggtgaa aaggagaatg 660
 ccaggttcta ctgaaat 677

<210> 169
 <211> 635
 <212> DNA
 <213> Homo sapien

<400> 169
 ttaagaagac tgggcattta tactctctct tgctagtac cctggagcaa gcttgaggca 60
 gacgcacatt tttgtactgg cacatattct tagacgacca attatagttt atggagtaaa 120
 atattacaag agtttccggg gagaaacttt aggatatact cggtttcaag gtgtttatct 180
 gcctttgttg tgggaacaga gtttttggtg gaaaagtccg attgctctgg gttatacgag 240
 gggccacttc tctgcttttg ttgccatgga aaatgatggc tatggcaacc gaggtgctgg 300
 tgctaattct aataccgatg atgatgtcac catcacattt ttgcctctgg ttgacagtga 360
 aaggaaagcta ctccatgtgc acttcctttc tgctcaggag ctaggtaatg aggaacagca 420
 agaaaaactg ctccaggagt ggctggactg ctgtgtgacg gaggggggag ttctggttgc 480
 catgcagaaa gagttctcgg cgggcgaaat caccctctgg tcactcacat ggtacaaaaa 540
 tggctttgac ccgctaccga cagatccggc cgggtacatc cctgtctgat ggagaggaag 600
 atgaggatga tgaagatgaa tgaaaaaaa aaaaa 635

<210> 170
 <211> 533
 <212> DNA
 <213> Homo sapien

004436.050

<400> 170

ctgtgatctc	acaagtgtga	aaaatcttat	gaatgtaaaa	tgtgtggaga	ttcttctttg	60
tttttagctt	ccactttggg	aacatgtcaa	agcacacatt	gagaagtccc	atgagtgaag	120
gagatgttgg	aaagcccttg	aacttggtcg	ttaggaaaca	tccacactga	agaggaacct	180
gactgtatgg	aaggtaaaaa	aggctgtatt	aattttacatg	caaaaagtca	cactagagga	240
atgccatata	agaatgcttt	tggtaaata	acatgtttta	aagaggttat	atatcattaa	300
taaaaatata	tagctgggtc	gaagaccctg	agttatctca	attgttcacg	gttacagatg	360
gaactcttta	ttattgagga	gttccactct	ttccccatt	tgtcactact	acacttcct	420
agtctttaaa	acaatttttag	gctgggtgca	gtggctcatt	cctgtaatcc	cagcactttg	480
aaaggccgaa	gcgagtggat	catttgaggt	caggagttcg	agaccagcct	gga	533

<210> 171

<211> 568

<212> DNA

<213> Homo sapien

<400> 171

cccttgscac	actttccctt	aagtattgca	ctacaagtct	aagacacttt	tcaactcaaag	60
ttcccttctt	ccttacctct	cttttaactt	ggagtcagac	tttcatcagt	ctgacaactt	120
ctccctgtct	ccttcccttt	cccccttca	caagcatttc	acctaacaaa	tttcttatgt	180
gcttaatccc	ctcttagaag	cagatgcca	gatgggatta	agcacataag	aggctcctgga	240
ctaatacaat	gacaaaggct	ccccttgaag	catcacacta	aaaggaaaaa	aaaaaaaaaa	300
acctagccat	tttacattaa	ctatttctaa	aatatagtat	ttgcttccct	atttgctaaa	360
acaaaatata	ctaaacatga	ctattccaaa	aatctgtagg	gtactaagaa	tatgaagaga	420
ttcaactctac	ttcaggggat	ggagttgtag	tagaaaaggc	tttgtggagg	gaggggtggtg	480
tttgaaatgt	actttaaaag	ccatcctcaa	agcctcgagg	gctataacctg	gactggtgat	540
tatccaagga	cagtcatttc	aaacaggg				568

<210> 172

<211> 167

<212> DNA

<213> Homo sapien

<400> 172

ccattttacag	gaatcagcca	cttcagttca	gacagcttta	ttaaaccgcc	tggagcgaat	60
tttogaagca	tgttttccct	ccatacttgt	ccctgatgct	gaagaggaag	ttacttccct	120
gaggcacttg	ctggaaacaa	gcactttgcc	aataaaaaacg	agagagg		167

<210> 173

<211> 391

<212> DNA

<213> Homo sapien

<400> 173

cctcccaaaag	tgtctgggatt	acaggcatga	mccmccmcgc	cctgatgata	gacacgtttt	60
taactttctaa	aaatatatga	tcatgattgt	gtctgtggag	acttgacat	atactaaatt	120
ttaamcaatt	agagatat	gttcattacc	acattttggg	agtcattatt	tcctctatga	180
agagagaaaag	gaatttgata	caagttcaca	ggggttcca	gtagattgag	actttttatt	240
ctagctgagc	tgtctgatga	tgaatttttt	ttgktattat	gactttcata	tgtattaaaa	300
ataaaatgaa	aaaacaagg	attaggtgag	gaacctatac	gtctctaata	tgcaaaatac	360
cacagaaata	atgactgktg	ggaaaattag	g			391

<210> 174

<211> 474

<212> DNA
<213> Homo sapien

<400> 174

gaactcagag	agaggattgt	cacccttggc	atctgagctg	acactataag	gacaatgagg	60
agtctccttg	gggatagatg	gggagatgga	aggacgatgc	ctgtcctacg	gggtcttgga	120
aggttaggga	tacacactgt	gagctgccac	aggctcaaca	gtacggatag	gggtgctgg	180
aaccagccag	ggctctgac	accaagctat	gtgccccatg	cagaggaagg	ggtagtgcca	240
cactgaacca	cccagccaca	aggctatctc	cccatacagg	gcacctttaa	aaaaattatc	300
cttacagggg	aagacgggga	ggaaggatga	actgtgtgcg	gtgatgttgc	agtgagtgtg	360
agtttgtgtc	cgtccgcttg	tatgagggcc	taccttttac	taactagccc	ccaactttca	420
ttatctcccc	ttttctgtgc	tacccttctg	cctttttaaa	gtggcttgca	atcc	474

<210> 175
<211> 655
<212> DNA
<213> Homo sapien

<400> 175

cottgcaggg	gtggggatgt	gtgggcttgt	tcaactgttac	agcccatgta	tacctgaagg	60
gcaacatgta	cccacaaatg	ttccaggagg	taaataaaaa	atacaattca	gcctcttcta	120
aaccatcctt	gttgatatct	ctgctacttc	cgaaagttaa	ttcgttattt	ggactccata	180
atttttcccta	ttaattcacc	ctatgtccaa	ctccaacagt	gaaaaaaatt	tatttaattct	240
ttgcaataag	cctataggca	ggcagcatta	tctcagtcct	gcagataagc	taaggctcag	300
agaagcttgt	atactgtcac	ttaggtagta	attgcaagag	ctggcattca	gacccagact	360
gtgggactcc	tcaactccatt	ctctttcccc	ccactaggct	gtcctttaaa	atacaatgga	420
tgcttgatga	acgcttgttg	gaatcctggg	tggacacagt	tccttttcgg	ccaaaagcac	480
cttgacgact	tgtgaagaat	taatctggaa	aacttaacct	atttataaaa	acgtgttatt	540
aagggcaggt	tattcccacc	ccctttacca	aagaaaccgc	ccctgacctt	tttttactgg	600
gggttggtct	tgggcatttt	caacaagggg	ggaacagttt	aaaaattccc	ccctt	655

<210> 176
<211> 660
<212> DNA
<213> Homo sapien

<400> 176

cctgggtcaaa	gtgggcatta	ccattcaagc	attactagac	atcacccgtaa	cgaaggctct	60
gttcacatga	aactacccct	tctccattgg	gggctcagac	tctgctctca	tccaggatcc	120
tgaactctgc	tccaggccacc	tggtcaaccc	tctctcccac	ccactgectg	tcaacttact	180
gactccagtt	acattgaaac	aattttcagt	ctaaggagg	attttctacc	tttcagagct	240
gacctccgac	tttaagactt	gacaggtatt	tatcttgaaa	ccagagaggg	agctggagga	300
aaaaaaaaact	gagcaagcac	atcaatgcct	tttccaccct	tcttcactct	ttccacactc	360
accgactgcc	attaccaaaa	cgccaagcac	aaccggtttg	gaacaagacg	cattccgttt	420
taatttaaac	caactcatta	tgtatttttag	tgggggggaa	ggggggcaca	atcagggttt	480
tcaccaccaa	attttccaca	cggtttctga	acaccattgc	cttttaaaaa	actatttttc	540
cacctccaaa	atattttattt	aaattttatt	tattacggag	gtgggtattct	tcctttggga	600
gccaaattgg	gaaattttagg	gaaccttttt	tattaccgga	ttttttgggc	gggtaaaccc	660

<210> 177
<211> 459
<212> DNA
<213> Homo sapien

<400> 177

ctttttctct	tcctctgtgg	aatggtgaaa	gagagatgcc	gtgktttgaa	gagtaagatg	60
atgaaatgaw	tttttaattc	aagaamcatt	cagaamcata	ggaattaaaa	cttagagaaa	120
tgatctaatt	tccctgttca	cacaaacttt	actctttaat	ctgatgattg	gatattttat	180
tttagtgaaa	catcatcttg	ttagctaact	ttaaaaaatg	gatgtagaat	gattaaaggt	240
tggtatgatt	tttttttaat	gtatcagytt	gaacctagaa	tattgaatta	aaatgctgkc	300
tcagtatttt	aaaagcaaaa	aagggatgg	aggaaaattg	catcttagac	catttttata	360
tgcagtgtac	aatttgctgg	gctagaaatg	agataaagat	tattttattt	tgktcatgyc	420
ttgkactttt	ctattaaaa	cattttacga	aaaaaaaa			459

<210> 178

<211> 720

<212> DNA

<213> Homo sapien

<400> 178

ctgcaagctc	ccactccttc	cattttatctt	aacgcccagg	ctgacttcta	agctgctttt	60
cactttccta	cctccaactgc	atcttcgccc	ctgataatct	ttgtaagctt	acctaagcct	120
cccttctttt	gagatccctt	tcttaaaagg	gtccattcta	ttaacccctac	cccataatcca	180
gttactttta	ctacctgctg	atctatcgct	accttgctca	attcatggga	attacagggg	240
gcactgggac	aagagtaaaa	tgatccaaca	aacataatgt	tgcatttaaa	aaaataagct	300
aaaagatact	gatgactttt	tataactaca	acataatcgt	ttgtgaataa	gaacatatat	360
agtaaaaaaga	tgaaaaatgtg	aacagggtga	ctatttccta	aatttatggc	agaaggttgt	420
tctggagagg	atgggaagaa	aaaatgaagg	ctggcagtga	tgggtgggga	aatgcaacct	480
ccaaaattat	ctatctatat	atctttatta	aaaacaccca	cagtaattat	ggcaaagtgt	540
aatggtttgt	ttgttctaag	gttttgata	catttaagat	ctcttgcttt	ctgggtacca	600
tttcttttct	tttcttttct	tttttttca	aattaattcc	aaaagactta	tatctgctac	660
atgaagaacg	aagcaagttc	agctctcttg	gctgaaatgt	tcaaagtgtt	gagggcaagg	720

<210> 179

<211> 427

<212> DNA

<213> Homo sapien

<400> 179

ctgtgaatct	gtctggttct	gaacttatct	tttagttatt	ggcaatcttt	gtattactat	60
ttcaatctct	tcctggttta	atctaggagg	gttgtatatt	tccaggaatt	tatccatctc	120
ttgtaagttt	tctagtttat	gcacataaac	gtgttcatag	tagccttgaa	taatcttttg	180
tatttctgtg	atatcagttg	taatatctcc	catttcattt	ctaattgagc	ttatttgaaa	240
cttctctctt	cttggttaat	cttgctaattg	gtctatcagt	tttatttatc	ttttcaaaaga	300
accagctttt	tgtttcattt	atcttttgta	ttgtttttgt	ttgtctcaat	ttcatttagt	360
tctgctctga	tcttcgttat	ttcttttctt	ctcctgggtt	tgggtttaga	ttgttcttgg	420
tttctct						427

<210> 180

<211> 728

<212> DNA

<213> Homo sapien

<400> 180

caaacacaaa	agtcactgtg	tgtgtgatgc	ttctccaatt	ccactcatcc	tggctgccat	60
tcatgcacta	gtgcatgtat	gcatttttac	atcttttaaa	ttacaaaaat	caacctatta	120
taactgctta	gatatatatg	aagtaaaaa	gaaagtcttc	cctttacatg	acccatcccc	180
catcatttcc	ctcttttatct	tatactgtca	gcattcccag	cttgtagcac	agtgtctggc	240

aatagtaa	aat	cctcaaaaa	tgatcaatga	ataattta	aatgatta	aaataaatta	300
atgatgat	g	tgaagataaa	tttttagcatt	tattgaacgc	taactacaaa	ccagggagtg	360
tggtaaat	at	tttataaaaa	tcaatgaatg	agctaaaatg	ccattctatt	atTTTTTTg	420
atacggtt	ta	atattttact	cataaatatg	cttaaagaat	attataatta	tatgacttag	480
aatggtaaa	a	caatatgtac	agcagtatoc	tatttttttag	aataaaaaata	taaatatgtg	540
ctcacatat	g	tggttggggc	atgcctagaa	acccgattag	aacgggattt	tttcttacca	600
ccatttttt	t	tacctgggaa	aaatatggga	aaattttatt	tcccttcttt	ttggttctaa	660
aatttatata		caggagccta	tttggttttg	gataaatcat	tttaaaaaag	gtgggtttaaa	720
aaaaaaa							728

<210> 181
 <211> 546
 <212> DNA
 <213> Homo sapien

acaatccttt	ggaagacact	actgggcttt	gggtgctgct	ttttaataat	tgagttattt	60
tgagcttgcc	aagtaggatc	tattgcctgg	actaaaattt	atttccta	cttctgatga	120
ccaagaaagg	aaaaatttaag	tttgcagatg	ggagatgaaa	tatagccagc	gaatatgcat	180
actggttctg	aatgaaagga	attaactttt	cagtcaagaa	acagtctgca	tgccgtaaat	240
tgaatttttc	ctgcaactgg	aatgattggt	taattctttt	tgaacactgg	cctttctccc	300
caagaacact	aatgaattgc	taatattttt	taaagaaaac	tggtttttta	attaggttaag	360
ctccacttcc	tcttattttt	taatccctaa	agaaaactgt	taaaagggaa	tggatctatc	420
acgccttttc	ttttaaaacc	acctttttta	aaaaggattt	ttccaacccc	caatttgctc	480
ttatttttaa	atTTTgaacg	ccaaaagaag	ggaaataaaa	atttttccct	taattttacc	540
ccctta						546

<210> 182
 <211> 333
 <212> DNA
 <213> Homo sapien

ggccactctg	actgggtctg	ctaattcaca	tgctctttgt	gacatacggc	tctaagaggc	60
agaggctgga	agagaagtat	gtgggttg	ggatcaagat	acccaagttt	cagtcttgac	120
actgctatta	cttagtcagg	tgaccactgt	aacttcatct	tgattgagcc	tcagatgtct	180
cacctgcaaa	atggagtttg	aaatttgcta	tggttgggtg	tcacacggat	taaatgaaat	240
aatgcctggt	aagcgcctat	ccagcactta	ataagatggc	cactgcatca	taatgctttg	300
ggcacaagta	acacaacatc	caacccaaag	ggg			333

<210> 183
 <211> 393
 <212> DNA
 <213> Homo sapien

ctgaatttct	tgggctttat	gtggcagtg	ggtaaaaata	tatgatcaga	tttcaactgtt	60
aagaaaaatt	tttcagcaat	acatgtagag	tcaagtttct	tgcattggata	actgaacatg	120
tggttatga	gatttttaaa	aatgtctcgt	gacaaaacttt	acggaaatgc	aacaatctgg	180
acatctagtt	ttgtctgaga	gtggcgtgga	tatgaagaac	tgtgctggtg	gtgctgatgc	240
cacactaagt	tttggcagtc	acactccttg	ttcttcatat	ttgaggagat	gggatggtga	300
ggaggcctgt	tggctttatt	ttattacgtg	ccaccatcta	gaatacagat	tcttgatat	360
ttcatcttca	caaaggtgaa	gctgcaaaact	cag			393

<210> 184
 <211> 700
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 184
 ccaggscawt gaggaaaagr gaaagaatwt arrggstwt caaataggaa aaraggaagt 60
 ccaaattggt cccntgttkg ccagataaacc atgattgkgk atttagaaam ccccatgwtg 120
 tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat 180
 caatgtgcaa aawtcacaag crttcctatm cgamcaatam cagmcaaaca gagccaawtc 240
 atgagtgrac tcttattcac aattgctagt aagagaagaa aatmcctagg aatacaactt 300
 mcaaggggatg tgaaggwtct cttcaaagaa gaactacaar ccrcctgctca aggaaataag 360
 agaggmcmca agtaaatggg aaaagcattc tatgctcatg gataggaaga atcaatcccg 420
 tgaaaatggk gatactgcc aaaataatct atagattcaa tgctatcccc atcaagctac 480
 cattgacttt cttcmcgga ttnggaaaaa tctactttac acttyatagg graccaaaaa 540
 agaagccwt gtagccaaga caatcctagg caaaaaagac caamcctgga ggcacacag 600
 tmcytgactt cmaactatwc taccaaggny tmcrgkgmcc aaaacagcac ggkacntggg 660
 mccaacccrg acwtwtwgac cmmcagacac agaacmgagg 700

<210> 185
 <211> 192
 <212> DNA
 <213> Homo sapien

<400> 185
 ccagyccttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat 60
 tggctcttgt tatttttacc tgaaaaggct gttaaagggt aaaatgacaa actcaaattc 120
 aaagggattg gaggatttgg tgtttatgat ttctcagaac aacaatctag agaccaccag 180
 ggtgggtttc ag 192

<210> 186
 <211> 688
 <212> DNA
 <213> Homo sapien

<400> 186
 gtgctggaat tcgcccttag cgtggctgcg gccgaggtg gatatttctt ctggatagat 60
 ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg 120
 tatacttctt gctctttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt 180
 aagcgctcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga 240
 caagattctc agtaaaattc tcacgtgaaa tttgtaactc actagacact atcaggagat 300
 caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt 360
 ctgcttggtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat 420
 agatgtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata 480
 gcttctgaaa aaagggtctg aaaaagcatt tttggggact ataagaacct tcaaagtctt 540
 tcccccttta acaaacctta aaattatctt gaaaataatt taagggggct gattttctct 600
 tgtcaaaatc ttgaaccca cttaccagggt ggttggtcaa accaaagttc aaaaaaagc 660
 ttctggcctt tcctttatcc cacttgca 688

<210> 187
 <211> 779
 <212> DNA
 <213> Homo sapien

<400> 187

gcaaaaaaca	gatacatttt	cagtgtttta	aaatgaacaa	gtatggaaag	gcttatacag	60
taactgaaaa	gtctcctttg	ggaagccaag	gtgggaggat	tgcttgaggt	caggagttca	120
agaccagccc	aagcaacatg	gcgagacccc	atctctacaa	aaaattaaaa	aatcagccag	180
gcatggcgga	catacttgta	gtagtaacta	catgggaggc	tgaggcgga	ggatcacttg	240
agtccgagag	tttgaggctg	cagtgagccg	caacgcgccc	tgtactccag	cctgggcaac	300
agagcaagat	gctgctctaa	aagaaatfff	cttttaaaga	aaaaagtctc	cctcatagcc	360
tgttctacaa	aagtcctatt	tcttcccaca	aaaagcctct	ggtacctggg	gtagttctt	420
ggggtggaag	attactttta	aaaatagaac	tattttttta	gtatatcttt	tagggaactt	480
tagttcccga	agcttttaga	aatgggatct	tgaaaacaaa	agggatttca	atacctatga	540
caatgcttaa	agaattattg	gggcatttat	ttttcaatgg	agggtcacaa	aatctttgga	600
aacccttggc	caattaccag	aagccacttt	aatttttgac	cgaaaatggt	tttaaaaatt	660
ggcttttgga	aaaactgtct	ctttcccaca	aaatgaaaac	cttgaaaaaa	aggggaattt	720
ttaaggttgc	cccctcatta	aattttaacc	cctctgaaag	aaaaccctct	tgtgacagg	779

<210> 188
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)
 <223> n = A,T,C or G

<400> 188

ggcgamgtct	ggyccaccatc	atgcccttta	atcaactcac	acctgtttta	agagtgtttc	60
tgatttgacc	ttcatccctt	agtttactgg	cgtaaaaaaa	agtctcagca	attttcatta	120
tttctcgtgg	gtctcattat	caaaccctta	cttatttcgg	catatttcct	ctgggcttct	180
tctagtttct	gccttacaag	caatgctgtt	ctgtaaatft	attgaaacct	ctggaacatt	240
tcacctttag	agatggagga	tggaaggatt	ggyaccagaa	gagggctaag	atacgttytc	300
tgtcttnag	ctgaaagcac	agytactctt	ccttcgtttt	gycgatgaga	aaagttgagg	360
ccagaaggga	ggtgacatgt	ttagagtcac	ccag			394

<210> 189
 <211> 681
 <212> DNA
 <213> Homo sapien

<400> 189

aagttctgac	tttggctctat	aaaacagggt	tattggctgt	ggctgcactc	aatatctaaa	60
aagttattag	gaagtgcctc	gttattgtca	ttaaagatat	ctaaatatgg	tagaccaaag	120
gttggtgaga	aacacatatt	atggactgag	ttctgtttct	tctgctgtgg	cgcacctaa	180
ctcaagcctt	ccttctctcc	ctcccttctt	ggccggcatg	gtatctgagc	tcacagacag	240
acaaggcatg	ttagaatcat	cagatcatga	gcaccgtgct	gggatttagc	cctctccaaa	300
gtcaattctt	acagtccata	ctttgcttaa	atcctcagtt	gttgaggctt	gctctgctgt	360
cagtaatccc	agctataaat	ttcccccaaa	tgtggggcct	agataaagta	gaagggtggat	420
ggactcagct	tattttcatg	ggatgacagg	aactggaaaag	agaaagggca	ttgaaaataa	480
aaagttattc	cagaatagca	ttaaccctct	tactgttcaa	gaattaagaa	agcctactta	540

gaaatgaggg ccttgagaat gatacccaaa tatttggctctt tctaccaaaa aatggccttt 600
 ccaaatatct gctttcctgt tcccccaattg gctttttaag tagaattaag ttacctaaaa 660
 ctttacctga aggggtggttt t 681

<210> 190

<211> 839

<212> DNA

<213> Homo sapien

<400> 190

caaatacatg atttccattg gcatagactc ttctatagtc tctcaggcac accttatgac 60
 taataagaac actgtcttct agatataagc caagtttttag gagttatctt tgtagtttct 120
 gtgttgagac tatgggtctt cctgtgcaa agacttgatt agcaaatact atttgaaacg 180
 atcccaaatt catagtgcag ttgaccaccc ttctgatcaa ggggatctct gtatatccca 240
 tgaaagcttc ataggtctca ccctagatta agtgcttcac ttctcaagac agtgaacaga 300
 tggaagactt ttgtagtatt cattatacaa ctgtgccctg tgtgttttat tatacaacca 360
 gagaactgag gcactggctt tacctgtcag ctacgccagg ggtgtgacgt catctttctg 420
 acttgatcac acatgccaca ttgcttaata tttcaagctt agactgaaat aatcctgtgg 480
 taaaaaattt ttggggggct ggggaggtaa agaacaaggg ggggaacttt ggaatatttt 540
 tattcattaa tcatatttcc cgaattgtat tttattttga aatgaccata agggacttaa 600
 atacgtattg tggttaaatt aaatggaccc aaatggaggt aagtaaacct aatgggacaa 660
 atgaataaaa ggtttatgac tgggagcatt taccatgaa cctccttaga agctatttaa 720
 cttttctttt ggaaagccct gaaggctggg aacttaaatt ttaaagacag tacctatttc 780
 cagaatcgct tccaaatggc catgttttaa agggccaaca ttttgggatg gccctgccc 839

<210> 191

<211> 697

<212> DNA

<213> Homo sapien

<400> 191

ccatcctgaa tactgatttt ctaatggaac tctattcaat ggcgattgta aaaccctgag 60
 gctccgttac tattatggag catactttca tctcattctc ggctattggg caatatgtat 120
 ctcataagat tttatcacat ttcacagatg aactgttaat tgattccatg ggtacgatta 180
 ggcgagatcc aagctggagc tgcagctctg agtcccataa attctttgtg cttctgtaaa 240
 gaataaatct gtttttaatg caaattaaaa ctactggcag ggaatttttg cttccagtta 300
 ttaaaagact ggaaatgtgt aagtggagaa aggcaataac tgcagtaatc tcttaccgga 360
 ctctattata attccaaaca tacataatgg tgagaaaaac cgggaaggga agaattgtggc 420
 aatgtccact ctttgcccca aacataaccc ttaatttcca tggcgggccc aaactactgg 480
 aaaaaccaa atggtagcct ctatagcatg caacttttat ttcaactcaa acgaaaaatt 540
 attttgacta tggcttgga aatccattag tagaagaagt tttataacct ataggaaccc 600
 ggccatttca tttctaccaa atcacaggaa ttttagaatg ggcaaggaa ttacaggaag 660
 acttgcccaa ttatcttttt ttgggggact aaaccaa 697

<210> 192

<211> 687

<212> DNA

<213> Homo sapien

<400> 192

ctggttacta tagctttgta gtataattta aagtcaggta atgtgattct tccagttttg 60
 ttatttctgc ttaggatagc tttggctatt ctggatcgtt tgtgggtcca tataaatttt 120
 aggatagttt tttgctattt ctgtgaagag tgtcattggg actttgatag ggattgcatt 180
 gaatctgaag attgcttttg gtagtatgaa cattttaaca atattgattc ttccgattaa 240

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tgaacatgga atgtttttcc tttatttggc gctctcttta atttccttca tcagtgggtt 300
ataggtttca ttatagagat ctttccttct tttgggtaat tcctacgtat ttaatttatg 360
tategtatt gctaaatgga atgacttttt aaatttcctt ttcacattgc tcctgggtggc 420
atattaaaag ctactgatgg atgggtgatt tggattctgc cactttactg gaattgggtg 480
atcagttcta atcgttttct tatgcacccc tttacgggtt ctacatgtaa gaatatatca 540
ccttcaaaca cggataatth gacttcttcc ccatccaatt gggaggccct ttatatcttc 600
tcttggcctg aaggctctac ttaaaacttc ttatcccttt gttggaataa cagtggggac 660
aatggacat cccttgtcat ggtccca 687

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<210> 193
<211> 493
<212> DNA
<213> Homo sapien

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<400> 193
ctgctaaaat gatgttgcta aagcattcct ttttcttttg attaaacttc atgtttacaa 60
aaaaattaat tctagcagaa taacgaatgg ttttgtttct tagttctctg ctgaatgaac 120
agtttttgcca attatcttca tagagtagtg atataatgaa tgcaacctca aatgcaaacc 180
aaccaattca cagtccatac cccaatcact tccttcatca gcctcaaaaa tcgctaagtg 240
aaccagtaga atggtttttg agcagtaata ggaaagcaaa tagaaagtca aggggggactt 300
tcaacgccaa caagaccaat tcagatcctg atctgactgg tttctaatac aatctctttc 360
cagagtaatg gagcatgagt ctgccacaca gaactttaga gagagtcctt tatttcaaag 420
actgtaaagt tggaagaatt cattcatctg caaagtcaaa tgtcaaaagt tgtgcttccc 480
actcctcatc agg 493

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<210> 194
<211> 424
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

```

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<400> 194
cyagggcant ttagcangas aaggaaatan mggggattca attaggggaac wraggakarw 60
caagttgtcc stgtmtgcag atgmsgtgat tgtatatcta gamcacccca ttgtctcagc 120
ccaaaatctc cytaagttga taagcawctt cagcarmgtc tcasgatscr acmtcwatns 180
gcraaantca cmwgcattct tatacaccaa tawcagacaa acagagagcc aaatcatgag 240
tgaactccca ttcacaattg ctacnmaaga gaataaaata cctaggaatc caacatacaa 300
gggatgtgaa ggacctcttc aaggagaact acmaaccact gctcaaggaa ataaaagagg 360
atmcaamcaa atggaagaac attccatgct catgggtagg aagaatcaat atccgkgaag 420
atgg 424

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```

<210> 195
<211> 229
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

```

<400> 195

tgaacaccct	tnggaaggaa	cctgctcgna	tgtannanaa	anggaccgga	cagtctgcta	60
aaatgcacct	ctttagacgc	ggcgcgccgg	ggcagagttt	ttctctggtg	ctttgacctg	120
tatttggttt	aatggttttg	tcctaatact	ttcaatcaat	aaaattgtgc	gtatttaact	180
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		229

<210> 196

<211> 557

<212> DNA

<213> Homo sapien

<400> 196

gcggtggctc	atgectgtaa	tcccaccact	ttgggaggct	gaggtgggca	gatacattca	60
agttgagagt	ttgagaccag	cctgggcaac	ataacaaagt	gagatcttat	ctctacaaaa	120
aaattaaaca	aacaaaaaaa	caaatacaac	ttcatttgca	gggctctttg	gtcttcttaa	180
agaacaaaca	tatgaaataa	ataagctgat	tcttaaagat	aacaaatata	atgagctttc	240
tcaactgtaa	aagcatctct	aagttgttct	atcaatgcat	atccactcca	tgaactaacc	300
tgaagaaagt	gttgaccatt	ctacccaatt	aactgtaaac	taagattgct	ttaatggttt	360
gcctaaattt	gagtaccttt	aaatttttgc	tttttatcca	aattcattct	cccttcttca	420
aattaaatag	ttttgttaga	aatcgataaa	gcaagatgta	cttttttaga	agggcaatag	480
aatcctacaa	catgctagaa	tttgaaatgt	ttttttaaat	cagtmmtttc	tctatgctag	540
taactaagaa	aattata					557

<210> 197

<211> 624

<212> DNA

<213> Homo sapien

<400> 197

ttttactacc	tatatattaaa	atgatccctg	acgcccctca	agacaaatat	attaattttt	60
ttactttgtg	ggatagagat	cagaaaaaga	gtagagatga	aaatactgga	gaaacaatgc	120
aggagatatt	tatgaggtga	gaatgtcaag	aaacttgtaa	agggagaata	ctataatgac	180
ccctgaagag	agagctttag	accagttgag	tatttagaggt	tgccacgtgg	ctattcatcc	240
actaataaat	acaagaaatt	actaaaatgg	aagccactgg	aaatatgttt	tgaggaaggt	300
gagaatgtgg	acctattata	aatgggtgaa	tatgatttct	ttctcattaa	gttcataaat	360
aactttcaga	catgtaacag	tttatgaagt	gtgccgtagt	catttagtat	aagttttata	420
cacaaaagtg	tttttactaa	gactgtcaca	ggttcttttg	tgaatcttgt	ttgtttttcc	480
tcattgtaaa	tactgcaata	gaacatttgt	gtcttaacat	aaggcaataa	atgaccttaa	540
gaaccttcac	ttttatatag	aaagtggagg	aaaagttggc	agagtaattt	gttgattata	600
gataaaagct	cttgtagaaa	ttgg				624

<210> 198

<211> 175

<212> DNA

<213> Homo sapien

<400> 198

tttttttttt	tttttttttt	ctaacttta	tgcatttatt	ttcatgtgta	agaagaaaaa	60
cgtaactagc	acgtgaacat	gactgcatgg	atacacggct	cagcacgagg	ctaaagtcag	120
aagtgagtga	aagcaaaacc	gcatgttgat	ttaagtgaat	taacagaaca	gaaaa	175

<210> 199

<211> 871

<212> DNA

<213> Homo sapien

<400> 199

ctgttgatca	atgatgagct	cccaagagta	accagcctct	atatagtcag	catcactggg	60
ttctcaggaa	aagcatcacc	attgttcac	ttgctgcaaa	atgtatgcac	aagtatcttt	120
ttatittttta	aaaagccctg	acattttatg	actgctgctt	ttctaagata	ttttcaaata	180
tacagtccat	acggttcaga	cacaatggac	tggggataga	gacggctata	gtgccgataa	240
tggagaaact	agccagagct	tcagatattt	gttttccagg	acatctcaat	aattgggtac	300
acctcacaat	atgtgagact	tgacgtcgag	tggcacggca	tactctggcg	caggcacttg	360
ataaagactg	tgtttgcaaa	tacttagcct	gcatttcaag	ataccaggca	tctaagcacg	420
tcccagatgg	tgacagttaa	tcttcaaaaa	accctatgtg	gaagtattat	cattgtcctc	480
attttacaga	tgaggaaaaa	gagacacagg	gatgtcaata	tcttcctcaa	ggtcacacag	540
caagtaagtg	atggaacagt	ggctcagcca	tgaagctatt	gctgttaacc	actagggttg	600
tttgcttca	ttaatttctt	cctaaaactg	cacatttccc	gttagtccct	ctttttggtc	660
tgtcgtttga	ctcttggtta	ctgcttagag	gaagattcat	tctattattt	tctaacttag	720
taaatatgtg	caactccttg	gggacatgac	caggcaaaag	ctggatacag	aaatgtatgc	780
ccaaacacca	tcccaagtta	cccctaacag	gtcttttctg	gacctgttt	gtaagggggg	840
tatatttga	aaaattttta	aaattttctg	g			871

<210> 200

<211> 737

<212> DNA

<213> Homo sapien

<400> 200

gacattttga	aggtaacagc	aatatctgtg	tatagatggg	gttgtgggtt	tgttatttat	60
ctgctattgc	tgaactatcc	tttgtcttga	gcgataaaa	agaagtaaaa	tactaaagaa	120
ctgaactgtc	catttctgga	ccatgagtaa	agatgctggc	tgtcaaaactt	cctgttcata	180
cattagttta	tttatagagt	gtactctcta	tgttaaggtat	tgactgataa	tgttactttg	240
acttcagata	gcttgcagtt	taatggagga	agaagacaaa	catgcaaata	actagggtcaa	300
tgaggcatcc	tttgtgttcc	attggaagct	aggctgcttt	gtaaccttgt	taattttctgt	360
ggttttggag	tgcattcatt	agcaaatata	ccccttggtc	ttatccattc	tctgcttttt	420
tctttatttg	gcatttgatg	acattttttc	atgtggggaa	attgagtcag	gtgagggtgga	480
aagaaaataa	ggacacgaca	ctaaattctt	tgatgttttt	ccttaaaaaa	ttgtttttca	540
agtgtcccat	aaaggggtgt	gaagttttaa	gagccatagg	acttggatta	ttgtgaaaga	600
gtgtctctag	ggggccaggt	taaaccattt	caaggactct	ccttctctca	tctcccttgt	660
tccaccacag	gtggcgaccc	ccaaaaagca	caaagcctcc	ctttcttcat	gggaagggtg	720
aggaacggaa	gggaacc					737

<210> 201

<211> 493

<212> DNA

<213> Homo sapien

<400> 201

tctagaaatg	cagctttttat	ttattacccc	atttctttca	agtccttgga	aaataacata	60
ttaaggggtac	aagaaattaa	cacatgatgg	aaaagtcatt	gtgacgcaa	tgaatttcat	120
tgagtataaa	ctcatctact	tcaaatttat	tttataacac	aacctaaagat	actcaagata	180
attattttaat	ggttagctct	taagttgaat	tgggtctacat	aatgctggtg	aagaaaacca	240
gattttttage	cttcttgcca	aatccagacc	tctggttgat	ttttctttga	cagaagatgc	300
aagttatttt	ccaatttcac	aattaaatgt	atttaacatg	aacattattt	tgcttttaaaa	360
actataaaca	ttgtaggaga	attatagcca	gtcttcagtt	ataaccactc	caccctcctc	420
actttctctc	tctctctctc	tttttttttt	gctatgggat	ttaatgggaa	aaatatgtaa	480

aaactgtcac taa

493

<210> 202

<211> 283

<212> DNA

<213> Homo sapien

<400> 202

cctttttatc	tcagtgcac	cgtccgggga	cgcaggtggt	ggtgactcaa	ggctagcctc	60
aaagggcagc	cccacctcct	catcctggac	cacagagacc	acctgcttgg	cgcgccgtcg	120
cttttccgag	aggggtggctg	actccggggt	gctggggctg	gggctgcgcg	ccccgccgct	180
gttgctgtac	tcctcgcccc	agtcgatggg	ggctgccctc	ggacagcagg	tgcaggttgg	240
gggcactgtt	acgcaagacc	atgctgcccc	gagaggtaga	tct		283

<210> 203

<211> 713

<212> DNA

<213> Homo sapien

<400> 203

ctgcttttgc	gcaaggtgcc	actggacgag	cgcacgtctc	tctcggggaa	cctcttccag	60
caccaggagg	acagcaagaa	gtggagaaac	cgcttcagcc	tcgtgcccc	caactacggg	120
ctgggtgctc	acgaaaacaa	agcggcctat	gagcggcagg	tcccaccacg	agccgtcatc	180
aacagtgcag	gctacaaaat	cctcacgtcc	gtggaccaat	acctggagct	cattggcaac	240
tccttaccag	ggaccaacggc	aaagtccggc	agtgcaccca	tcctcaagt	ccccacacag	300
ttcccgtca	tcctctggca	tccttatgcg	cgctactact	acttctgcat	gatgacagaa	360
gccgagcagg	acaagtggca	ggctgtgctg	caggactgca	tccggcactg	caacaatgga	420
atccctgagg	actccaaggt	agagggccct	gcgttcacag	atgccatccg	catgtaccga	480
cagtccaagg	agctgtacgg	cacctgggag	atgctgtgtg	ggaacgaggt	gcagatcctg	540
agcaacctgg	tgatggagga	gctgggccct	gagctgaagg	cagagctcgg	cccgcggctg	600
aaggggaaac	ccgcaggagc	ggcaccgcag	gtggatccag	atcttcggac	gccgtgtacc	660
acatggtgta	cgagcaggcc	aaaggcgcgc	cttcgaagga	gggggctgtc	caa	713

<210> 204

<211> 275

<212> DNA

<213> Homo sapien

<400> 204

gtagacaagt	acagcagatc	cagacaccag	atctagctag	gctaaatgta	cagtatctaa	60
cttgatctga	actgaacctg	tattccttga	tgatgcctaa	aactacatcc	atagaattct	120
ggtgaacctg	taatacagtt	ctgaaagtac	agttttatat	aataagatgc	tgatctcttt	180
attctttcaa	gtaagagtgc	tagagaacaa	attgtgttac	ttgccttggg	atttattgaa	240
cgtctgga	atgctgtctt	cctagatcca	aacag			275

<210> 205

<211> 694

<212> DNA

<213> Homo sapien

<400> 205

ctgttctctg	acattttaact	gaaaaaaaaa	taactttaaaa	taatataaaa	atagcactca	60
tgtatgtcct	acagttatag	gtgaaatttg	atattgtttg	tcttacatag	cataacctata	120
gacagcttaa	gtaaaagtgc	tgtaaagagg	gttatgctta	ttgatgaact	ctttagattg	180


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cttaccagct ctgttagtat agttaaattg atctcagtag cttcaagtat ttataaaatg 240
gttgaagtc aaatacatgt gataattaca atacactttg aattaatgga gggtagggagg 300
ctagttgaaa tgcattttat ttaccaagg agtatgttaa aatgatagtt ataaatgttg 360
gaagttttaa gcaagatact cagtttagtt ctttacaat cataagaaga acaaaattag 420
atgttgacat tgctatttta ggctgtgtgt tttccatatg cttcttgctt tccctgtcac 480
aggtgggtggc agcaatattg gtgtgattga gggtatgctg gcaccactcg cacacaggcg 540
cacaatggtg ttagctgggc agaaagagtg gcatctctgg ctaccgggct gggggcgacc 600
tttaccatag gatgaagtaa ctttgcatc ggctgcaagg tgtactgtac cgtacacagg 660
tgctgggtcg atggccactt tctgcttttc tttc 694

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<210> 206
<211> 704
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(704)
<223> n = A,T,C or G

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<400> 206
tttttttttg gnaaaaacag ggtttcatca tgtttgccag gctagtctca aactgctgac 60
ctcaggggat ttgcccgcct cacccaattc aactttcgta agtcagtatt taccatctaa 120
ctcagtgtcc caaaatttaa aatttccttg cactttacag caaaaatata tattggggct 180
ctactgaagc aatatataca tgtcaaaact aaaaatcaga aaagcaaaag ggtccattca 240
acatatagca gcttatattt aaatatgtac aggtatgtat gttttcacag ttagatcttt 300
aaaaaaattt atatttgata tgttcaaaaa tacttctatt ggctataaat aatattttta 360
aagctcaact gatcaaaatg cattccaaga acatatcaaa ttaaataaat cttctacgtc 420
tttaaaaaca gataattgaa gtcagtaaaag cttgaggttt gtgttaagtg tattctgtca 480
gtccctacta ctagggaagg cagaatcttc taaatacgat acgaaagaaa ctcccaaagc 540
ttggaaggaa tcggcagctc ctgaactttt tggggggggc atccctcttc gggattgaca 600
tgcgacataa atgttgcaag ctaagggacc cccccgggg gagtgggccc caaaaaaac 660
cacaccttec ccgtcaatgg tgggtcccc accaacctta aaaa 704

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```

<210> 207
<211> 225
<212> DNA
<213> Homo sapien

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<400> 207
ccattttaac tgtactgcc aatagaattct ggaattgtgg aaaattgtat cattgaagtt 60
cagtaggatg tgtggcttaa aaatttatca ggaccacaaa aaagaaaaca aaaatatttg 120
gtactgaggt tcattgccag ggcaggaggt atttccagaa aatactcatg cctgtgttct 180
gttccttget ttcccaaata ctgcatgtga ctttcctaag cggca 225

```

```

<210> 208
<211> 678
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(678)
<223> n = A,T,C or G

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<400> 208

cctatatcta	tcaaaaaaaaa	tccagttcct	aactaataat	ctcccaaaaa	gaaagcacca	60
ggaccagatg	atataaatgg	caaatttttt	caatcattta	aggacaaaat	aataccaatt	120
ctgtatcatt	tottocagaa	cacttcctaa	ctcatcgtat	gaggccagca	tcactcta	180
agcaaaacca	gataaagcca	ttacaagaga	gagtgcagca	ccaatgtggt	tttattgagg	240
atgcaaacia	aatttaacat	aataattta	agtgaiaaac	tggatgctct	ttccctaagt	300
tagagattaa	ggaaagaatg	tccccttcac	tactcccata	caacacctta	ctgaaaattc	360
tagctagctt	tataaaataa	anaaaaacca	naaaataaaa	taaaagggtg	acagactgga	420
agatacagtg	aaggaggaag	aaataaaaatt	ttctttgcgc	ataacatgat	tcttctatgt	480
ggaaatcaca	gagatttgaa	catttttttt	ttttgagaca	gtttttgctc	ttgttgccca	540
ggttgagtg	taatggcgcg	atctcggctc	actgcaacct	tcacctcccg	aattcaaggt	600
gattctcctg	ccctcagcct	tcccggagta	agcttgggga	ttaacagggc	atggcacccc	660
ccatgcccc	agctaaat					678

<210> 209

<211> 720

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(720)

<223> n = A,T,C or G

<400> 209

attattttga	accctagcat	ttagaaatga	aaaacttttt	ataacaatca	aatacatgat	60
aaagtatgca	aagagttaga	aattattctg	atgacatatg	gagggttaca	aaggagaaaa	120
ctttttgcta	cctctgataa	agaatagact	aaattctcca	agaccaatct	gactggtgtc	180
ataataaaaag	gaggtacaca	cggaagcaca	agggatgtgt	gcctctggag	gaaaggtcag	240
gtgaggactc	agtgagaaga	caagccaagg	agccaggctc	tggagaagt	caaccctggt	300
gacaccttga	tcttggaacta	accctgtgga	caccttgatc	ttggactttt	agcttccaga	360
actgcnagaa	aataaatttt	tcttgtttaa	gccaccana	gtgtantgtt	ttgttatggc	420
agccctaaca	aattaaaatt	atattttaac	agagaatata	aaattcta	ataacatttt	480
acagtaaagc	attcatggtc	ttttttttct	tattaataaa	tccatcaaaa	cagaaagttt	540
tgcaaaattt	taacacattt	ctctaccact	actgtttcta	ctctcttaaa	actactccgc	600
aaatataaaa	atagaaggcc	aaaatgcatc	attaaaacga	tgtttgggga	ctaattggcct	660
taaaattcta	ttacacttgg	aaatatacaa	atattcaaag	attatctatt	gatcacctca	720

<210> 210

<211> 277

<212> DNA

<213> Homo sapien

<400> 210

tccatgtatt	tttatacaga	atggaacaat	atgtatgtat	gcaatyktta	cattccacca	60
tgaaataaaa	cagtataatg	aaaataacaa	tagattcaaa	caatgatatg	ctattttttt	120
ttacctatga	cattggcaag	gtcttcttaa	aaaatctgcg	aataaccgat	gttgagaga	180
tcatggggaa	atagccactc	aaatgttact	catgagagtg	tacatatgtg	taacttcact	240
tggagggcaa	tttggtgata	catttaaaaa	gttttg			277

<210> 211

<211> 715

<212> DNA

<213> Homo sapien

<400> 211

gtggtagaaa	tactaatttt	gcaattacag	aaaaaaacaa	atgccattca	catgggttyct	60
aacaaaaagt	gtctgaccac	ccccaccccc	caccctcaa	aaagccctta	aataaagagg	120
aagatcaaaa	gaaaacaaaa	taattcccg	gtttcacctc	atacatata	tatagcacag	180
gaagtggcaa	agtttaaaat	aatgccttta	ctgttaggac	tagtatgctg	tcaaaagcca	240
caatcctttt	gttttagtga	gttgattttc	aatagaaaaa	tacaaatgaa	catgtgttta	300
agttccaaca	tggattgagc	acctctgaat	ttagtatcaa	atgattaatt	ttatttttca	360
gatgtcaa	cttagtataa	aattttccat	tattttaaac	ttcacttgaa	tctttaaaaa	420
agctgtctaa	attgtactat	atgagttcag	tttaatcttc	tgtaaaatgc	taacaaattg	480
aactgtcagc	agtcttttaa	aaaaaaatgg	gggctgggtt	atttctagaa	gaactctcat	540
taagctttga	aaatcagaaa	tcagagacaa	ataacttcag	atatagacta	gctccacaag	600
caaatttata	caattatctg	taacagtcta	tacatatatg	tgtatatata	tataccgtaa	660
ccactttcat	aggtaaaaaa	tattaacttc	atgtcacact	atgatcagaa	gtata	715

<210> 212

<211> 717

<212> DNA

<213> Homo sapien

<400> 212

agcctcccc	aatgccttaa	aaggtcacag	tagatctcag	ctctgaacag	aaactcaact	60
gaaactcttc	ccacaaccca	gcagtagata	tattaaaacc	tacaattttc	agggatacaa	120
ccaatattta	attcttttga	gggttttgtg	tttaatacaa	ggacacaaac	acacgtataa	180
aatgacgatg	tcaatactga	ttaaacagaa	caacaaaata	agaagctcaa	attatcatca	240
gctatttgtg	atatctgaaa	taacaataat	gcacttgatt	ctgaaagaat	gattagagtt	300
cctactctga	aaatctaatt	gtcttgatgt	ggcgaagtga	gaagaaagga	tgatttttct	360
aatgaaaagc	atgtatacgg	gtagcccttt	gcgagattct	gtcaaaacc	tgaattttgc	420
attagctggt	ttaccaccca	aacgttttta	cccagggatg	tgcagcaatg	ggaactctca	480
tacactgctt	gtgggaatat	aaatcagtat	aaccactttg	gaaaaccatt	taacattgtc	540
aactacagct	ctacacacaa	gtgctataac	caccctattc	actccagggt	atacacccta	600
aaaatatgaa	gtgcccattg	ctacccaaaa	ggccgcctaa	aaggaatgct	tttgagaagg	660
gttaaccttg	ttaattagtg	gcaaaactgg	gaaaacaacc	cccaaattgt	cccatcc	717

<210> 213

<211> 599

<212> DNA

<213> Homo sapien

<400> 213

cctgttttgg	cgaggcagga	gggaagcggg	atgggagtg	tggttaggcc	aagggtagtt	60
caaagcgatt	cagcaggatg	atgaccacag	gagtgcctga	gccgggcctt	tcagcccccg	120
tgtggatgat	gaccggccat	ccaggacatg	cgagggcctg	ggacagtgg	cagccagtgc	180
cacacaagga	aggaccgatt	aaatgacaca	gttaaaggaa	tttggcctag	ggagtgcga	240
ccagaaaggt	ttgtctttt	tatatatgta	acattggaaa	aaaggaacat	ctcctgttcc	300
ctgtattaag	ttttgacttt	agctcagcaa	atgcagtgtt	tgtggcagta	aatatactct	360
gataacaatg	ttctttccca	ggaatttaga	gttttatgat	ggttattgaa	aatgtttaca	420
tgacaggctg	tcaataatat	tttttgccct	taaaaataaa	acatacataa	agtgtacgga	480
ttttaagtat	gcaactcact	gaacttttca	taccgtaata	caccacccta	gtaaccctcc	540
cccagttcaa	gatgtagact	gtttccaata	accctcatc	ctgttcctta	atagcccc	599

<210> 214

<211> 789

<212> DNA
<213> Homo sapien

<400> 214

ccttatgaca	aaccttgcta	tgccaaggat	atgcttcact	atcttcatct	atcaaaacac	60
tatgcatcat	agatatctaa	ttttttcatc	tcttgcatga	agtctttcct	gatttccctc	120
tgctgaaatt	tctctcttca	aatgatgtgt	ttccatagta	ctttgtccct	tttcaaagat	180
atatctcaca	tcgcataatt	taccacagtt	agtttcatct	cttaactctc	acactagatt	240
acaaagtcaa	tatagacaaa	gaaatgttca	accttatata	acctcctctg	cctatgctgg	300
taaattgcac	ctactatgtg	ttcaataaga	gcttgtcttt	ttcaatatac	aaaactttgt	360
aaagattaaa	gacctttag	aaagtcaaga	ggaagatagc	aatttcactt	ctaagaactt	420
accctaagga	aacattcatg	aagagataca	aggggttatg	tgcatggatg	ttcattatca	480
tattattctt	cattatgaag	attatgatgg	taataatgaa	aatgattatc	ttgtattggg	540
ccttatttga	agtcaagcat	tgagaatgta	ctttatctgc	attatctcac	tgagtctctg	600
tagcagccct	ataaggtaca	gactgttatc	taagcttaaa	aaaataaaagt	taatgtccaa	660
ggtcaaaaca	ctagtaaaaag	aagggggcta	ggaaatttgg	aaccccaaaa	ggggcaacct	720
ctcaagggct	atgaatcctt	accattatta	taaggaagct	tggcccatgg	tggcccaaaa	780
aaaaccggg						789

<210> 215
<211> 765
<212> DNA
<213> Homo sapien

<400> 215

ggatgtctga	gcaggagaga	gaccatgtga	aggatggact	gaatggagac	ttgtatcaaa	60
gagtctgagt	atcaaagact	tgtattagag	aggggttgtg	tagtaatcta	gtcaggggat	120
gagaaatggt	ttgtattaga	gtgtcaggag	tagtcgtggc	aaaaatatat	agatcaggat	180
gaggaatggg	cctcatctca	caccctgact	ccagtcaatg	gcagtggctc	cctggagtac	240
actactatag	gaaggatttt	gtaaagtgtt	gtctggcctc	agtggagggt	gaggtagggg	300
aggagtctta	tgaacagtta	gtgggtgtctg	ccatggttga	aacaatggag	aagggggaca	360
ccttttctgt	gcagatgttg	cttctggtag	atataatcca	caatgtaatg	ggagaagtac	420
taagaatcag	taaattatgg	aggggtgtaa	agactactga	tatttaagcc	tgcggaaccg	480
acttagagaa	atgatagtta	aaggagaaat	atccagcaaa	caaagatatg	acattgaagt	540
ttgggactgc	gattagtacc	agagatttgg	attggagggtg	atttgtatag	aatggatagg	600
tgattttact	cttgcaattt	ggattgaggg	gtggggaaaa	ccagaaagg	gctggggggg	660
aaattagtag	aaggtcacct	tgaattcatt	gtgggtccata	tcaatgctga	aactgattgg	720
ggaacttttt	actottgagt	ccctttgtaa	gggaacccca	gaaag		765

<210> 216
<211> 780
<212> DNA
<213> Homo sapien

<400> 216

cctttttctg	tggcaaatgg	aggcttttca	ctgcctgtag	agacaataca	gtaagcatag	60
tttaaggggtg	ggtcagaaca	tgtaagata	acttactgta	tatgtattcc	cttgtatttt	120
gttaaagctg	gaacatttga	tatttttcca	tttatttatg	aaaaaatatg	aacctatttt	180
catttgtaga	aggtaattgt	tttttaaagc	aagtcacctt	aggggtggctt	taattgtata	240
agtcaagcac	atgtaataaa	ttcaaaacct	gcagttaaca	ggatattaga	catcaatcct	300
ggtaaccaaaa	tattaaagat	tctctttaaa	aaagaactgaa	catgtttaca	ggtttgaatt	360
aggctaaaaag	gtcttgcagt	ggcttttcat	ggcccttcaa	attggaatgg	aactactgta	420
ctttgccatt	tttctataaa	tcagtacttt	ttttttaatt	ttgatataca	ttgtgtgaaa	480
aaagaaaatg	gctaataaac	tgtattaaat	cttaaaccaat	gtataaagat	tgcacttagc	540

cagttcaaag	tgtatactta	ttcataatga	attataacag	ttatatattct	gtgttttctt	600
gtaaatgttt	cttttccctt	aaatacagat	aattcatttg	tattgcttat	tttattatga	660
gctacaacaa	aaggacttca	ggaacaagta	atgtattagt	atggttcaag	attgttgata	720
ggaactgtct	caaaaggatg	gtgggttattt	taaatataaa	tagctaattgg	gggtggtaaa	780

<210> 217

<211> 810

<212> DNA

<213> Homo sapien

<400> 217

cttttaggca	gccccgcacc	ttcatccata	ggcagagaga	gaactgggtg	ttggagactt	60
attcgaggt	ataggaaggg	ccctgtgaag	ttgatttaac	ttttggatgt	cagactgtga	120
aagctcctga	gaaacttggg	gtaataggat	cttcttttgg	ggatgaaaat	ggggaaggcg	180
tgaggaccta	gactacttct	ccctagggtca	gaaaaagaga	attaccctt	gacaaatatg	240
atacctgcta	ggtatttccc	agggaaaattt	agggattggc	gtctttccct	agcatgtgga	300
ggaattggca	gcagacttcc	taagggcggg	gagcgggggc	ccaaggctga	cactgcttgc	360
atccacgtga	cottaagtta	tggcagatga	ctctgaaacg	gactgaggcc	aatgagaaca	420
gatggatgga	gcactcaggt	tagacttgtt	ccttctccta	tgctggagga	gagggatggg	480
tctctagaat	gttggagggtg	agttgagagc	tcgcctcttg	aatgttgaaac	agtgtactct	540
tctgaaaact	gcataattcac	tttatgtggt	ttcagaatac	tgggctcaat	actaacataa	600
gaaagacact	tcattgagaa	attcttaagc	ttacagaaaa	cctatctctt	tgcacattcc	660
acataacccc	tagcaaaatg	caggttcttc	atacttctgt	cctttttcca	ttggaagaat	720
tgcttaagga	aaaattaatt	cctatttatt	cccacaaaag	gttgggcatt	gctttgattt	780
taccccatgg	gggaatgtgc	ctttgaattt				810

<210> 218

<211> 817

<212> DNA

<213> Homo sapien

<400> 218

ctgctccctt	atggaggtct	cttcattaat	aattattgga	tagatagaga	aggtgagcct	60
gtggcttcca	agtaccggct	tttgctgaag	gtctacatgg	gaagaagagc	atcatttgat	120
attcagtaga	tctgccacac	ccaactggct	ccatctcctg	gaaaacagca	ctcactacaa	180
gcaactgtaa	tagcaccacg	caatgaccac	gctgctcctg	ctggctcttc	cgtacaccag	240
taaatgaact	caccaatgta	ttgcacacat	acatttcaca	gtagtacaat	aaagccctgt	300
atcaggagt	gtaattcaat	gacttgactc	tatagtgcac	tgcagcttta	tgcatacca	360
acattcaaat	attcaaatat	ccttccaatc	catttgagca	aaaatacacc	atggctgcc	420
agacacatgt	atttttcttt	cttccatgga	ctcctaaact	gctcccacaa	tcagcagtgt	480
tcttctctca	gaaattatct	taagcttctc	tactcaatgg	gaggtacaca	cagagacctg	540
agaatatgca	gaggccagaa	tctctgtctg	tgctagagat	caactgtact	ctgcccacct	600
ggggaacaca	tcctctgggt	aaagtactcg	gaagtaaatt	acattccctg	gagacagata	660
cgggctttca	ctgcagcctg	ttagaaaaca	caatgtctgt	aagttacctc	ataggtcaaa	720
gagttttgga	ttatatTTTT	cataatgggg	ctatggcctt	tttaccctgg	ttttaataca	780
gaaccacctg	cagaaaggac	attgaaatta	aaagcca			817

<210> 219

<211> 661

<212> DNA

<213> Homo sapien

<400> 219

ggatgctgag	gcaggaggat	tgagtcctgg	agtttcagga	tacagtgagc	tatgatcatg	60
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ccattgcact ccagcctggg caacagagca agattctgtc tctaagaaaa ggaaaaagaa 120
aatgaataga tagtggtatt agatgttaat gacatcagtt gttttttattc tttattcttt 180
cttagaaaca gattagtttt ctggaattaa agaactacca tttttctttt ttctacaact 240
ttcaagagct ggtgaagaaa tgatgtttag atttaataga tatagtagca gtcatatatt 300
aatagaatag aaactgagac tctaggaaaa agatagacat gagataagga gtaggcattg 360
tagacatttc tagatttttt atgaaaatgt tgtagaattc attttttttt ttggtctgac 420
ctttggcaat ggtgctgagg aagggaagc cagcccatca ggcaaggctc tgtttttctgc 480
attttatccc gtttgattct tctcgttagg attggagcaa ataatttcaa tatgttcttc 540
gctgggttta tcatagtgac ctttcattta aagggaactt taacaattga cttaaagaac 600
actgagatgt gatattttat tgggatttga aagttgccat tgggttttac cttccttaat 660
t 661

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```

<210> 220
<211> 792
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(792)
<223> n = A,T,C or G

```

```

<400> 220
cctcttttta ttcctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa 60
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaaacaagt 120
ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaacat 180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca 240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag 300
tatataatcc ttcatagagt gtcagtgact tcataattat aattacattt ttgtatatta 360
gcagtgttct agttcttact gccttatctt taagctgann nnaaataaaa ttatattttg 420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat 480
atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctccact 540
tctttgtcgt cttttagtct cccacaacat ctagaacagc acaaccgtat atggagaaaa 600
ctcagtctag tattcgttga atgactaatg gaaaatttag ttnataaaca gaactttctt 660
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaattat catatttacc 720
catntcncca ngttatttta tctcttttgg ctaanaattt tgaaaacggt accttttacc 780
ctttggcatt tt 792

```

```

<210> 221
<211> 759
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

```

```

<400> 221
cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct 60
gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt 120
cactgataga tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga 180
ttaaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgcc ccattttcta 240
catanccact tgcatttatg gttggctttt gaacttgcta gaagggaag aagtgcaaat 300

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gtgtctctcct tagagctact ctctcccccct tgggtgggttt ccagtttgtg cattgtccag 360
atggcccagg agctgacgat caaagggaag aagtcattgtt tgtcatgaga atgctttgct 420
gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcagga 480
tgagagctcag aaaccatcac tgaggttaga aagtgagcac caaagttgag ggaagcccac 540
aggagtggagc cgaagtgtct cctttggatt tccaaagtgg gtgctgtctgc ttcttccatc 600
agccttgctt ctgaccccaa tgcgttcctg gtgccttctt cttggcattt tgctgtcggg 660
ggcccaagga aaaaaattcc tgcattggcag tggtgaaaaa agatggctgc ctgctgaaac 720
ctgatttggc ctgggtaagc cttttggagc cccggttaa 759

```

```

<210> 222
<211> 699
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(699)
<223> n = A,T,C or G

```

```

<400> 222
ccttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag 60
ccacactgac ctctggncct nttncgccc gatgattttt aattagttga atccctttac 120
ttgttatata tgtattcata tattctgttc cttcttggat ttacttttat gattggtgcc 180
tattgaggta tttatttcta gtttgtggta ctcatgtgt ttaggttttc tagacagtgg 240
acatagaaga ttcaagaagc taaatgtagg agaatgtnta atgtaggana ntgaggcnac 300
natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact 360
gccatagnta atattgatgg tgtaagtcaa ataanaaggc aggaggaaag ggacatccat 420
cactgaacca canatcagag nctcattgaa gcctttgaga agaattccaca aaattttaca 480
ggataattca tttcctgcca tcaccacnag aagagaaact ggtaaacag acagggtattc 540
cagagtccaa aaattttacat ttggtttcng aaccaaagac ctcatctccc aggccacagc 600
aaaagggggc ttatgaattc cctggcacc cagnccaaga cccaanaacc tcatcttgat 660
tggtttnggg cttgggaaac caaaaaacca atgggtggc 699

```

```

<210> 223
<211> 598
<212> DNA
<213> Homo sapien

```

```

<400> 223
aaaaagagaa agtttcagat ttgccattca aggcttattt atatatatgt gtgtgtatat 60
aaatacatgc acacacttgc atacatatat atttttggct gggggagtgt gagttttgcc 120
tttctaaggg agggaccgag caggctcctt tgttctgtat tctggcggag atgggtcctg 180
gccttgtgtc actggcttat ccttaaagat catctcccat cctcccagc gccatctgtg 240
tgcagcaacc agaaagggat gaacttggcc ctcttgcgga cctggacaag gtctcttcct 300
taccctttct gttgccagtc agcaacctgt aactcacatt ctcttcccag tgaatccctg 360
ggagcgctg accctgggtg gctgttcagc ttctgtctgc tggggccagc aatttttgag 420
gatttatctt taggccaggc ttgcctcogt acttatccct gctctcccat ttctctcttg 480
tttgagagag aatgaggaag caaagagtga gaaagaatag gggctgaaga cgccactccc 540
agatggctct ttctatcctg ctcttctgtt gaaacacagc tgctgtgggc ctgaggcg 598

```

```

<210> 224
<211> 501
<212> DNA
<213> Homo sapien

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<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

<400> 224

aaacctttat	gatgacttcc	ttatgaatta	ctgaacgaac	actggaatgg	gactcaggtg	60
tcttgaggac	atctctcaac	tctggcctta	gttccccctc	tgtaaaatta	gggtgccaac	120
taaatgatct	acaaggtccc	ttccagcgcc	gccattctgt	aattacatca	tgtgtaactg	180
tattaaacat	acacaagtga	ctgccaggca	tggaatgta	acttccgagt	aaatgctttg	240
gtttgttcag	aatacactat	gaacttcttt	ccaaagacgg	gttgtggtta	atagtggata	300
ttttgattat	aagaaataga	gtttccttga	agcttttagct	ggagatacag	caatagtgtg	360
gtgttcctac	aaatatcaca	gtgtattcaa	acatatTTTT	ctatcaaaaa	tcatttttgt	420
aaaagctgtg	tgtttttatc	caacttgtga	taataaatgt	tctttatttt	agaacaaana	480
aaaaaaaaaa	aaaaaaaaaa	a				501

<210> 225
 <211> 295
 <212> DNA
 <213> Homo sapien

<400> 225

cctgtatagg	gctcgtttcc	ccacacatgc	ctatttctga	agaggcttct	gtcttatttg	60
aaggccagcc	cacaccagc	tactttaaca	ccaggtttat	ggaaaatgtc	aggaaaaaaa	120
aaaaaaaaaa	cacatgcact	cacacaatac	ccaaacatca	raattagaag	ggcataaaac	180
agggggcttt	ataggctgaa	aaatatctta	ratttcaraa	cagaatacca	atcaaatatt	240
gaaaattcct	ttgttcaaaa	cacaaagatg	ttttgttttt	aatgggagtt	ttttt	295

<210> 226
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 226

agattcctgg	cttagagcat	gcgagcattg	aaggaccaat	agcaaaactta	tcagtacttg	60
gaacagaaga	acttcggcaa	cgagaacact	atctcaagca	gaagagagat	aagttgatgt	120
ccatgagaaa	ggatatgagg	actaaacaga	tacaaaatat	ggagcagaaa	ggaaaaccca	180
ctggggaggt	agaggaaatg	acagagaaac	cagaaatgac	agcagaggag	aagcaaacat	240
tactaaagag	gagattgctt	gcagagaaac	tcaaagaaga	agttattaat	aagtaataat	300
taagaacaat	ttaacaaaat	ggaagttcaa	attgtcttaa	aaataaatta	tttagtccgt	360
atgaaatgaa	at					372

<210> 227
 <211> 599
 <212> DNA
 <213> Homo sapien

<400> 227

ggcccccgtc	gcgggagccg	cttcgggcct	tctgggcatg	tctgccatat	ggctccaggt	60
ttgtttttct	ccccggcact	ctgacgggga	gggctcccgg	catctcctgg	catccgggta	120
gaggacgcgg	aggatgctga	gctgctggcg	cactgcagca	caactagaga	tgtacggatg	180
ccccatctt	gatcttacag	aatcagaggt	acagccgcga	gaaagagtca	agaacagaca	240
gagtcgcttg	aggactcagg	agggtgtttg	ctgcgttgac	aacagactac	accctcacag	300

tttgctctgc	tcttccaaca	ccagtgaag	atgatcacat	cccagggatc	agtgtcggtt	360
agggatgtga	ctgtgggctt	cactcaagag	gagtggcagc	atctggaccc	tgctcagagg	420
accctgtaca	gggatgtgat	gctggagaac	tacagccacc	ttgtctcagt	aggggtattgc	480
attcctaaac	cagaagtgat	tctcaagttg	gagaaaggcg	aggagccatg	gatattagag	540
gaaaaatttc	caagccagag	tcctctggaa	ttaattaata	ccagtagaaa	ctattcaat	599

<210> 228

<211> 343

<212> DNA

<213> Homo sapien

<400> 228

aaagtaaatt	gtatgaaaaa	ttcatttctt	caattgcatt	agccacattt	tgagtattca	60
tgtggctggt	agattctgtg	ttagcacaaa	gatatggaac	atttccatca	ccacagaaaag	120
ttctgttgga	cagcactgca	ttagaatatt	ttcatactgc	tcttcctcaa	ttaatttttg	180
ttgttaattg	tgatgtcttc	attggatggg	tcataatggt	ccatgaaacc	gctcaagtac	240
acaattgtat	gttcttttga	tcccttacca	caaatacttc	gctctgctca	tttcttttgc	300
agcttcctat	aaagtttgtc	ttcctcaaaa	aaaaaaaaaa	aaa		343

<210> 229

<211> 417

<212> DNA

<213> Homo sapien

<400> 229

ctcaagctgc	agtccaccgg	gtatggttct	ggatggttcc	cccaagggag	caggtatgta	60
ggaggtgaag	aaaactgaga	tttcaagtat	gggagagttt	ttactatctc	cattcctgga	120
ttaaaagtgc	tgaaaaagtc	cacagttaaa	cattccttta	ttcaccctat	ggctcccaag	180
aaaagcattc	ttcctctgga	gtactgggtg	actaagggga	caatacacca	aatttggtga	240
gtttacaatc	aagtctacta	aggttggact	tccttatcag	tttggcagag	tcccagggca	300
gaataatcat	ccatctacag	gtctctgttt	cctctccctc	cgcagcagtg	gagagcatcc	360
cagtgtttgg	ggcactgtgt	tcctcttcgt	ccctgcacca	gaccttgga	gccttgg	417

<210> 230

<211> 462

<212> DNA

<213> Homo sapien

<400> 230

gaaataccag	aagagaaagt	ttcattgtgc	aaatctaact	tcatggcctc	gctggctgta	60
ttccttatat	gatgtgaga	ccttaatgga	cagaatcaag	aaacagctac	gtgaatggga	120
cgaaaatcta	aaagatgatt	ctcttccttc	aaatccaata	gatttttctt	acagagtagc	180
tgcttgtctt	cctattgatg	atgtattgag	aattcagctc	cttaaaattg	gcagtgctat	240
ccagcgactt	cgtgtggaat	tagacattat	gaataaatgt	acttcccttt	gctgtaaaca	300
atgtcaagaa	acagaaataa	caaccaaaaa	tgaaatatcc	agtttatcct	tatgtgggcc	360
gatggcagct	tatgtgaatc	ctcatggata	tgtgcatgag	acacttactg	tgtataaggc	420
ttgcaacttg	aatctgatag	gccggccttc	tacagaacac	ag		462

<210> 231

<211> 328

<212> DNA

<213> Homo sapien

<400> 231

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<210> 232
<211> 595
<212> DNA
<213> Homo sapien
```

```
<210> 233
<211> 600
<212> DNA
<213> Homo sapien
```

```
<210> 234
<211> 500
<212> DNA
<213> Homo sapien
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<400> 234						
aaattcctaa	ttcttttact	atctttctcaa	cttttcccaa	agataaaaata	aatttcacat	60
aatttcatgg	aggggaaatg	gtagttgttaa	aaaactacct	caagtagcaa	tcaccgctgg	120
cagtgttttc	tcactttctg	ttctgcaatt	gcaatcacac	ttccaaaaag	aaaagcaaat	180
gtttgctaaa	ccatagacag	acaacctctt	tgtgactggg	attataaggg	ttataatgaa	240
aacttatcaa	atataaaaag	tgctccctct	tgaaaattgt	tatttttatt	gaagttttga	300
gtaagagggtg	agtgtttggc	aatttttcaac	actcccctca	aaaattctcc	aaagttgcaa	360
aaaagtcaqt	ttagtataat	tccaagcact	taaatgcttc	attgaqqgcc	agttgatata	420

cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt 480
accttttcct tccagttttt 500

<210> 235
<211> 159
<212> DNA
<213> Homo sapien

<400> 235
aaaattttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caactttcag gccacagttt tgaaggctcg aagtattaag ttggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 236
<211> 254
<212> DNA
<213> Homo sapien

<400> 236
aaataagtga ataagcgata tttattatct gcaagggtttt tttgtgtgtg tttttgtttt 60
tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata 120
agagggctta agaatttgkc catttgcatt cggaaaagaa tgaccagcaa aaggtttact 180
aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa 240
gctgcaagag gact 254

<210> 237
<211> 591
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(591)
<223> n = A,T,C or G

<400> 237
tttttttttt tttttttttt tttttttcta atttttactt tttctcaagt ttaatgtara 60
catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct 120
tggttttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat 180
ctggttatyt acctataaat ttcattggtat ttttttaaac actgaagtac taaaagcact 240
gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc 300
cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc 360
cctttccagg tatyttcaat ctctgtaaaa ccccaaacc caaacagagt aratgatgaa 420
ataaggattt ctcaattgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg 480
tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg 540
atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t 591

<210> 238
<211> 252
<212> DNA
<213> Homo sapien

<400> 238
aaatggcttt tgccacatac atagatcttc atgatgtgtg agtgtaattc catgtggata 60

tcagttacca	aacattacaa	aaaattttat	ggcccaaat	gaccaacgaa	attgttacia	120
tagaatttat	ccaattttga	tctttttata	ttcttctacc	acacctggaa	acagaccaat	180
agacattttg	gggttttata	ataggaattt	gtataaagca	ttactctttt	tcaataaatt	240
gttttttaat	tt					252

<210> 239

<211> 153

<212> DNA

<213> Homo sapien

<400> 239

ccacaataaa	gtttacttgt	aaaattttag	aggccattac	tccaattatg	ttgcacgtac	60
actcattgta	caggcgtgga	gactcattgt	atgtataaga	atattctgac	agtgagtgc	120
ccggagtctc	tggtgtaccc	tcttaccagt	cag			153

<210> 240

<211> 382

<212> DNA

<213> Homo sapien

<400> 240

aaaaaaacca	tctaaaagtg	gttttttaat	atatatattt	tttccaaagg	aagaaatttc	60
ttgcttttac	tcagggaaaa	aaaaaaatta	aggtacattt	gagtagaatg	atttcaccta	120
aaagagttct	ttcaggagac	atctgtgatt	cactgcattg	tttttatttt	cttctttttc	180
ctcttctttt	ccaacatttc	taccattttc	ctcttcttgg	ttgatatcag	gccactttct	240
tttggttgctt	tcttactgtc	acctgttaaa	ccgcgtttct	ttgtgttagg	ttttgaccgc	300
ttttcttctt	tgtgcactgt	gtcaccaggc	tcctttttgc	caattttgga	ctgttcttta	360
cttacaggag	aaggctctgc	ag				382

<210> 241

<211> 400

<212> DNA

<213> Homo sapien

<400> 241

ggcatgagcc	accgcgcccg	gccctatctt	ttacttttat	aaatagagat	gaagtttcac	60
catgttgccc	aggctggtat	cgagctcctg	ggctcaagcg	atcccccaac	cttggccttc	120
caaagtgtctg	ggattacaag	cgcgagccac	cgaaattatt	cttaactagc	aagactaggc	180
tctgacatca	catcettata	gttacatccc	tttaagcagg	gttcagccac	tcactctgca	240
cctggagaac	ttgatggtta	tcctctogaag	tgacagtcct	gcaaatgaca	aaaacactcc	300
aaatctatta	ggttggtgca	aaagtaatta	cgctttttgc	cactgaaagt	aagtcccaca	360
ggaccctgag	ggaaatggga	gggtggggta	tacatagcag			400

<210> 242

<211> 75

<212> DNA

<213> Homo sapien

<400> 242

actcacatat	gcagacctga	caactcaagag	tggttagcta	cacagagtcc	atctaatttt	60
tgcaacttcc	tgtgg					75

<210> 243

<211> 192

<212> DNA
<213> Homo sapien

<400> 243
gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa 60
ggaaaagaaa gacaaggaca agaaggaagc ccttgctgac atgggagcac atcaggaggt 120
ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcatt 180
acgaaccttt gg 192

<210> 244
<211> 616
<212> DNA
<213> Homo sapien

<400> 244
aattttatag caatatactg accattctaa aaataacaaa atacatgttg ctctcaacta 60
catagttaaa aaaggtagta aattctctta cccaaaatag aggaggggtg ggctagttag 120
ctgctcaaac atttgtaaca aataaaaaatg tatctatata catataatga tcatgttttc 180
atagcctaaa atcaccatac aaaatctaata aataaaaattg tgtcgtgttc aggagtggg 240
aagccaacac attaaattaa caaagtattt ttggtatatg taaataatgg gatagaatct 300
ctcgaatcag gattgtccca gaagttctaa ggcagatgtc aatgacatgc acattgtcca 360
tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat 420
tacttaactg ctaaaaagta cttcaagatc ttgcaactgc ttgagttagt ataatacaat 480
tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccataata 540
ctgtttgttt ttaccaaata aactggtaag atgatatcac aaagggtttt aagttatttt 600
gctatacaag gttttt 616

<210> 245
<211> 165
<212> DNA
<213> Homo sapien

<400> 245
ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta 60
atttcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggccgc 120
taccctgaag gttatagaac actcccaaga aacagcaaga caagg 165

<210> 246
<211> 229
<212> DNA
<213> Homo sapien

<400> 246
tgtactggat cctccaggt gggggcgact ctcacctgac tattacaata gcctcctaag 60
tggtttccct acttgcaacc ttgccggtat aatatctatc ctccacacag caggcagggc 120
gatcctttaa gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct 180
cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg 229

<210> 247
<211> 338
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 247
 ggaaaccgtg tgtacttata ctggatgatg ccaccagtgc cctggatgca aacagccagt 60
 tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgtca gtgcttctca 120
 tcaccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg 180
 ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tactgggcca 240
 tggngcaggc tcctgcagat gctccagaat gaaagccttc tcagacctgc gcactccatc 300
 tccctccctt ttcttctctc tgtggtggag aaccacag 338

<210> 248
 <211> 177
 <212> DNA
 <213> Homo sapien

<400> 248
 tgaaaacaaa tgaattotca actcctacgg ttcatgtaga gtttagagaa aatttccatc 60
 attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt 120
 ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttctcc gtgacaa 177

<210> 249
 <211> 263
 <212> DNA
 <213> Homo sapien

<400> 249
 aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac aaatcatgaa 60
 cactactcca ttcccataca cataattgca cagcagtagc tcaagttcat ggacataaaa 120
 acatacacag tatctattca gactttttac agcagaggac agcgtgctta ttatcagtta 180
 attggttaatt atttttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaag 240
 aatcaaagtg atctgattac ttt 263

<210> 250
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 250
 aaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca 60
 ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat 120
 ttctattttct tgggtggagca gcacattgtg gagtgtgatt cttaattott cattgagttt 180
 gtcaatagga cattgatgct ggatagggtg tcttttggtt ttatgcctca gaccatcttg 240
 tgagattggt tgcctatctc ataatacagt tttatgcaga aaggttgaaa ctatgtaaat 300
 ggtttttatg gaaattatca gttacaatat ttt 333

<210> 251
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 251
 aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60

tatcttaata	tatccccgaa	ctggttagga	tagatacaaa	tagatTTTTT	ataataaaaa	120
attcacaaaa	gattggaagc	attctataat	gaaaatggta	gaaaagacag	tgtgagggaa	180
gccatggggg	ttgggaatcg	ggccctggag	gagaagcaga	gtttcaaagg	gctgagaata	240
gcatagtttc	actgtaaacc	aatgtctaca	gcttattggg	gtgggggcta	ctgagacgaa	300
agacaccaac	tcgtttctag	agggctaaga	actgcacttt	aagaaagggc	ggggaggtga	360
agggacccga	gcaagaactt	tcag				384

<210> 252

<211> 211

<212> DNA

<213> Homo sapien

<400> 252

aaagcagtct	gaaaatggga	catctgtaga	gaaattcatt	tccttcttct	cctccggatg	60
tggaatggaa	gctttgaggg	aaggaaaagt	aggaaaagag	cgggatggga	tgggatggga	120
tgggatggga	tgggatagga	agagaggctg	gggaatgggc	agagaagggg	gtgctgagtg	180
tgctgtgaga	tagagcaaga	tcacaagaag	g			211

<210> 253

<211> 135

<212> DNA

<213> Homo sapien

<400> 253

aaaaattgtt	tcttgacaag	ctgacttggc	acttaagtgc	acttttttat	gaagaaaaag	60
tacaatgaac	tgcttttcct	caagcaataa	ttgtttccaa	cttgtctggg	aattgtgtgt	120
ctggttaactg	gaagg					135

<210> 254

<211> 361

<212> DNA

<213> Homo sapien

<400> 254

cctgtagccc	ctgctacacg	ggaggctgaa	gtgggaggat	cacttgaacc	aatgaggggtg	60
aggttacagt	gagcccagat	catgccacta	ctctacaggc	tgggtgataa	gagtgagacc	120
ctgtatcaaa	aaaaagacaa	ggaaaaaaaa	aactgggccg	tttgTTTTTg	cagaatgtct	180
ctcaatttgg	actTTTTTggg	caggaataca	atacaagtga	tacaaatgct	tctttaacat	240
tagaacctgt	ataaaattac	cattacagac	cttgctattt	tacttatagg	taaatacactg	300
tttaccaagg	taagtctttt	gggaatttcc	aaaaatgaag	tccatggaca	gttaaaaact	360
g						361

<210> 255

<211> 331

<212> DNA

<213> Homo sapien

<400> 255

aaaaaaataa	ataatccacc	aacgtgattg	accttggcga	gatcatgttt	ctagtctata	60
cctcagtttc	cccatctgta	aagtgaggat	aatgtcccac	cccatgtaac	tgtggtgagg	120
accaactgca	acactgtgcc	tgcgagtctc	cttggaaaag	tgtaaggttc	tacacaaatg	180
gaaagtgatc	tgatcacact	cagtgtcccc	agcccagcct	ttcagtgcc	tggccctggg	240
gtgggggaca	atactctcct	cacccccttc	actagtcttc	atgaatagca	aggaggccat	300
aacataattt	ggtctaaacc	ccttcctttt	t			331

<210> 263
 <211> 157
 <212> DNA
 <213> Homo sapien

<400> 263
 aaaatatatt tctaaacaga atgggccgac tcagtcacag taactgttga tctccatagt 60
 agagcaaccc acaaagacag aactgatttt tttcccataa tcaggggtga aaaatatata 120
 acttgtttct gaaccaaaac cacaatttct gcagttt 157

<210> 264
 <211> 290
 <212> DNA
 <213> Homo sapien

<400> 264
 ctggctactc caagaccctg gcatgaggct gaggacaact tacaagggct tcaccgaagc 60
 agtggacctt tattttgacc acctgatgtc caggggtggtg ccactccagt acaagcgtgg 120
 gggacctatc attgccgtgc aggtggagaa tgaatatggt tcctataata aagaccccg 180
 atacatgcc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac 240
 ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg 290

<210> 265
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 265
 aaaaaaagga aaggaaagag aggaaaagaa aataaaataa gacgatttat tgcttctcct 60
 cagcatcctc cttggtctcc tccttcaccg agagagcttc tagcttttcc gccacttttt 120
 cggcattgac atttttgccg gatcctttct tttctctctc ttcgatctct ttctgcatt 180
 cttcaaactt tgttttgaat ttctgtgcat tctcagcatt caggaagcgg atgg 234

<210> 266
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 266
 gtctcatca tcccagtttg aggcagtgct ggagtgggga aggccttctt agaccataga 60
 gggttgaaga cgctgagaga tcatccagcc cagcccttg atgttacaga gcagaagaca 120
 gatgcccata caggagaagg cacttgccca cggtcatacg gcaggttgcc acaaaaccaa 180
 gatggcagcc ctctctcagc gtgcctcact gccactccca gagccaggga gcccataaa 240
 accacatca tgtcttaaga gtatatctgg ctcccttgacc agcaatcggc cctgggagcc 300
 accaggtggg aaaagcgcc ctgccagagt ccagg 335

<210> 267
 <211> 619
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(619)

780503294860

<400> 267

<210> 268

<212> DNA

<213> Homo sapien

<400> 268

<210> 269

<211> 325

<212> DNA

<213> Homo sapien

<400> 269

<210> 270

<211> 428

<212> DNA

<213> Homo sapien

<400> 270

<210> 271

<211> 206
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(206)
 <223> n = A,T,C or G

<400> 271
 cgtcccggag cccacgngg ncatggctgg canagcgctc tgcattgctg ggctggtcct 60
 ggcccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtgncc 120
 cgtgccagcc aaggacaggg tggactgcgg ctacccccat gtcaccccca aggagtgcac 180
 caaccggggc tgctgctttg actcca 206

<210> 272
 <211> 83
 <212> DNA
 <213> Homo sapien

<400> 272
 ctggtctccc tgagaactca acaatgcctt ttcttgaggg ccttcctcga tcatccacaa 60
 tgactacagc cctctctacc tgg 83

<210> 273
 <211> 472
 <212> DNA
 <213> Homo sapien

<400> 273
 ctggagaagg tgtgcagggg aaaccctgct gatgtcaccc aggccagggt gtctttctac 60
 tcgggacact cttccttttg gatgtactgc atggtgttct tggcgctgta tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctgggtggc 180
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240
 cttgttggtc tcctgcaggg ggcactgggt gctgcoctca ctgtctgcta catctcagac 300
 ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
 agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420
 tcctctctct gaggccggac cccgcccagg caggagagct ctgtgagtcc ag 472

<210> 274
 <211> 205
 <212> DNA
 <213> Homo sapien

<400> 274
 ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg 60
 tcgcctgcat gggtcgtagc tggatggtgt gtccaccatc gacacggagg ggctggattt 120
 gtttctcagg caatcctgta ttttaatttt agatgtattt cctgaagcat atttttcata 180
 gaatgtagcg tgtaaatagc ttttt 205

<210> 275
 <211> 308
 <212> DNA
 <213> Homo sapien

TC050:3296-4350

<400> 275
ctcctcgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac 60
gtggttgga tgtatctggc tcagaactat gatataccaa acctggctaa aaaacttgaa 120
gaaattaaaa aggacttgga tgccaagaag aaacccccta gtgcatgaga ctgcctccag 180
cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc 240
aaaagctttt gtttctgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt 300
tttgcttt 308

<210> 276
<211> 201
<212> DNA
<213> Homo sapien

<400> 276
aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc 60
aaaaataaaa ttttattttg gcaaatgtca tgaagtcgat actggcagca tatggagtta 120
gttaaaaaata gacaacaact gctagatata ttcaaaattc tatttttttt totgagcata 180
gtcaaagaga aattttcatt t 201

<210> 277
<211> 520
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

<400> 277
aaaaaaaaag tattcagcac catttgctca tnggtctttc agagtgtgtt cttaaagttt 60
ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct 120
gggacaggca gtggggagtt aagcagtcac cataaaggaa tcagtgtaca ttcagcatgg 180
tgacttgact acacaacaat cccttccct ctactgtagc tcaagagaga catgcttcta 240
accactgagg tatgaggagt ctgagactgt tatttgctgt tagaattggc cttcccagct 300
aataacagta catctctggc acagatgcta ttggctccta atgtcctgtg attttaggaa 360
atagtttgga tttagttaa tttattcaga aaccaaactg gtttaattag cttcactact 420
ctggcagagt aagggtatgc tggtttagta tctttataaa atatatataa tgtataggtta 480
aatcatagtc ttaaatcata cctaaaatac tgtatcattt 520

<210> 278
<211> 264
<212> DNA
<213> Homo sapien

<400> 278
cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggc aactaccccg 60
gctgcgca gctcggcgct ccttcccgt cctcacaca ccggcctcag ccgcaccgg 120
cagtagaaga tggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct 180
actcaggaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tctgataag 240
aaccctaatg aaggagagaa gttt 264

<210> 279

706050" 92964950

<211> 414
 <212> DNA
 <213> Homo sapien

<400> 279
 aaacatacaa taatTTTTat tatggaaatt aatctttaca tacaaaatca gctacgtaat 60
 tttacttaca aaacaataaa aactgttctt tactgtggca acaaaagaag cattttgaca 120
 aatgaaaaaa attaatgcaa acaaattaaa acaatgcttt tctttttact tgcttcaactg 180
 tctcttctat ttattttcta tgatcatttg acacaaacat ggattacttt gatatctact 240
 gaaacataaa tgataagggt cttaaagggt gaattaaaag tctgggtggt caatatttta 300
 gaagctgaat aaacaaaacg aaattggggt ttgtgattac agaggattta tcattttttc 360
 cttttgtcca tatgaaaata tataatagaa aattaccacac gggaaaacat tttt 414

<210> 280
 <211> 262
 <212> DNA
 <213> Homo sapien

<400> 280
 ccaccatgcc tggcctgctt caattttttg atgccacttt gtaaacggca ctttaattatg 60
 gaaaatagga aaaaacaaaa ctaaaataag gaagaggata tatatataac ttttcacaat 120
 ctcttttctg atccccctta gatgccagc caaccaggac cacacacaga tttcatttta 180
 tttgtagagt atatgaaaag atttaatagt ctcatgcatt ttattttacg tatactgatt 240
 tctacgtttt gactgactat tt 262

<210> 281
 <211> 349
 <212> DNA
 <213> Homo sapien

<400> 281
 ctgtgacccg ggtgcatcag tggatatagt tgtgtctccc catggggggt taacagtctc 60
 tgcccaagac cgttttctga taatggctgc agaaatggaa cagtcactctg gcacaggccc 120
 agcagaatta actcagtttt ggaaagaagt tcccagaaac aaagtgatgg aacatagggt 180
 aagatgccat actgttgaaa gcagtaaacc aaacactctt acgttaaaag acaatgcttt 240
 caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcggt tactagaaaag 300
 caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag 349

<210> 282
 <211> 381
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

<400> 282
 aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
 ggaaacaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120
 tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttccact 180
 cactttgcaa ggaccactc attctgcana aagacctaca agtccttctg gtctcaattg 240
 caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300

094966_0904

gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt 360
 atttttattt cagatgtatt t 381

<210> 283
 <211> 543
 <212> DNA
 <213> Homo sapien

<400> 283
 aaatagctc ctccctaccc ccaacaatgg accctgcccc ttgcctccca gttccttgat 60
 cttoctaggt tccacaactc tctttttcct tttagtttta ttccctccag ccaaacctct 120
 cttattcaat attttgagcc aatgggggag ttatgtagat ttttttcctt acacattagc 180
 tggccccctt tatgaccaat gactcataag gcaagatgtg tgggtggcatc ttcgacagc 240
 cagcaggctt taatagggca gcctgggttg gtggaggcaa gcaaagctaa ttggcatgctg 300
 tgggaatcaa accccaggcc ctgggctcat tagcccatgg tcaaaacaac tgagccagag 360
 gaggttaataa ttgcccag aatatcagta gttcctttat tagaagaaaa tggctgatat 420
 ggaagttggg gaatctgaat tgccagagaa tcttgggaag agtaataagc tcttagtctc 480
 aacaaaaagt gttttttcat ctacgcgcgt aaagggtgct atatgggaac aaagaagtat 540
 ttt 543

<210> 284
 <211> 147
 <212> DNA
 <213> Homo sapien

<400> 284
 aaactggtat tttatctttg attctccttc agccctcacc cctggttctc atctttcttg 60
 atcaacatct tttcttgctt ctgtcccctt ctctcatctc ttagctcccc tccaacctgg 120
 ggggcagtgg tgtggagaag ccacagg 147

<210> 285
 <211> 316
 <212> DNA
 <213> Homo sapien

<400> 285
 cgcccgaggt ctggcttcac tectactccc tctctgctcg cagcacgtcg gcgcagct 60
 ctttgatgtg ttccaggcc cgctgcacat ggcagattc caccgtgcga gaacagatgg 120
 caaagcgcag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180
 tgtttattct ttgcagaaga gcttcattca ctttggtgga accctttagc cgaaagcaga 240
 caagccccag aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact 300
 caaactcatg ggacag 316

<210> 286
 <211> 322
 <212> DNA
 <213> Homo sapien

<400> 286
 cctggggagc cctttagtgg ggtgggacct caggcagacc cccaaaccaa agggagccag 60
 atgccccagt tcaagtcatt agtgatatgt ggcagggctg acagagaaat aatcctggag 120
 gtctocaaaag ctgctgggaa tggaatggcg atgaaaagcg caggagtggg caggggtgtg 180
 tgggtgatgg tggcctcact cagagtggac caaggcccca gctccttgcc caaaacaaa 240
 gcccttgggc ccgaagtttt tagcataaca tcctttgcag taaatctcgc catccttgctc 300

TC050-22964350

tgccaggggtg gttgactcaa gg

322

<210> 287

<211> 364

<212> DNA

<213> Homo sapien

<400> 287

ctgcccacgc	tcaaaccaat	tctggctgat	atcgagtacc	tgcaggacca	gcacctcctg	60
ctcacagtca	agtcctatgga	tggctatgaa	tcctatgggg	agtgtgtggt	tgcactcaaa	120
tccatgatcg	gcagcacggc	ccaacagttc	ctgaccttcc	tatcccaccg	tggcgaggag	180
acaggcaata	tcagaggctc	catgaagggtg	cgggtgcccc	cggagcgctt	gggcacccgt	240
gagcggctct	acgagtggat	cagcattgat	aaggatgagg	caggagcaaa	gagcaaagcc	300
ccctctgtgt	cccgagggag	ccaggagccc	aggtcaggga	gccgcaagcc	agccttcaca	360
gagg						364

<210> 288

<211> 261

<212> DNA

<213> Homo sapien

<400> 288

aaaattataa	ctactcattc	tttcttttagc	cttagttaat	ttgagcagaa	gccacaacaa	60
gcaaaccaca	ataaatttag	aattggcaga	aatccacatt	aactcctctt	cccaagtttc	120
cacactacta	ccattttacag	ttgtagggtt	gtaatgtata	attatgtaat	gcagaaacta	180
gctttgactt	gtgtaacgat	gcactgtcaa	agtaagcaaa	gtaagaattg	aaattccaca	240
ttcccagaat	ttaacactca	g				261

<210> 289

<211> 261

<212> DNA

<213> Homo sapien

<400> 289

ctgagtgtta	aattctggga	atgtggaatt	tcaattotta	ctttgcttac	tttgacagtg	60
catcggtaca	caagtcaaag	ctagtttctg	cattacataa	ttatacatta	caaacctaca	120
actgtaaatg	gtagtagtgt	ggaaacttgg	gaagaggagt	taatgtggat	ttctgccaat	180
tctaaattta	ttgtggtttg	cttggttgtg	cttctgctca	aattaactaa	ggctaaagaa	240
agaatgagta	gttataattt	t				261

<210> 290

<211> 92

<212> DNA

<213> Homo sapien

<400> 290

ccactacccg	aacttacagg	tgccaaaaga	agaaagggtg	taaacggaga	ccacctatca	60
ctcatcagaa	cctagatca	tcacattcct	tt			92

<210> 291

<211> 287

<212> DNA

<213> Homo sapien

T.C.C.S.D. 03964860

<400> 291

ccatggctcc	gctcagggcc	ccggtcacct	ccgagtcact	ctgttccttg	actgtctttg	60
tgtttctgta	cctcaaggca	ctgaagctgg	aggactctgt	ccatgcctgt	gtcaccctcg	120
tgtgggagcc	tctgggctcg	gcaggccac	atttcatgag	ctgaggcgtg	ggccagggcc	180
atctggaaag	ggaactcggc	ttttccagaa	cgtggtggat	catctgtcgg	gtgtgtggtg	240
aacacgttca	gttcatcagg	gcctacgctc	cgggaagggg	ccccag		287

<210> 292

<211> 270

<212> DNA

<213> Homo sapien

<400> 292

ccattgtttc	ctcgtcggcg	aaggctcctt	gaacatccct	caccttcctc	tcccgcctct	60
gccttctgct	gggtcaaagg	tggccttttc	tctccagcct	tgaattgttc	cctgttggct	120
tcccaagggc	ccatctgctg	gtacagtcca	cacttccaca	gccaagacct	gagagggctt	180
tcaactgccc	aagcctctct	cctgtgacct	tgggattctg	tcttggcaga	atcctttgtc	240
agcggctctt	actctgtcct	tcctgtttgg				270

<210> 293

<211> 333

<212> DNA

<213> Homo sapien

<400> 293

ccatgctcgt	caacctggcg	tccactgctt	gctacgtctc	cttcctcttc	ctgggctgcg	60
acactggccc	tgtggctggg	gttactgttc	cctatggaaa	cagcacagca	cctggctcag	120
ccctggagcc	ctactcgccc	tgcaataata	actgtgaatg	ccaaaccgat	tccttctactc	180
cagtgtgtgg	ggcagatggc	atcacctacc	tgtctgcctg	ctttgctggc	tgcaacagca	240
cgaatctcac	gggtgtgcg	tgccctacca	ccgtccctgc	tgagaacgca	accgtggttc	300
ctggaaaatg	ccccagtcct	gggtgccaag	agg			333

<210> 294

<211> 123

<212> DNA

<213> Homo sapien

<400> 294

ctgatacaaa	tacagaaaac	tctgccatt	atccaagaaa	caaataatta	agactaaaat	60
gcaagctgat	gtgttgacg	attgtagggc	cactaaatag	ccatctgtga	ttcgtggcaa	120
ttt						123

<210> 295

<211> 311

<212> DNA

<213> Homo sapien

<400> 295

ctgcatacag	acatttgttt	aggatcatctg	gattatcttg	attgtcacca	tggaactat	60
ccacaaccag	tgcttaggtg	tgtgagaaga	gtgatacaat	aatactgtgg	catggtcatt	120
tagctaatac	agtctaagcc	taacagaaac	cttttccatc	aaagtgtttc	agagaataac	180
aacatctcat	aagaggccag	aggatggctt	gtgcttaata	tcacacctgt	acagtagggc	240
agtgttccc	aggctgtctg	cttacatttt	agcttgtctt	acggttacat	atggttttag	300
tattttcatt	t					311

<210> 296
 <211> 241
 <212> DNA
 <213> Homo sapien

<400> 296
 ctgcggaaga tctgcaacca cccctacatg ttccagcaca tcgaggagtc cttttccgag 60
 cacttggggg tcaactggcg cattgtccaa gggctggacc tgtaccgagc ctcggtgtaa 120
 tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccacaa agtgctgctg 180
 ttctgcacaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcctt 240
 a 241

<210> 297
 <211> 295
 <212> DNA
 <213> Homo sapien

<400> 297
 aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaattggtg tgaggcatct 60
 cacttagctg tggagaagtc ctggaatta gatctcagaa agacagcttt aagacagtaa 120
 aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gaccttgag 180
 gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta 240
 gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga 295

<210> 298
 <211> 347
 <212> DNA
 <213> Homo sapien

<400> 298
 ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atggtggagg 60
 accaacacct gctaccccag agagcttttc taaaaaagc aagaaagcag tcatgagtgg 120
 tattcacctt gcagaagaca cggaaggtag tgagtttgag ccagagggac ttccagaagt 180
 tgtaaagaaa gggtttgctg acatcccgac aggaaagact agcccatata tcttgcgaag 240
 aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 300
 actgagtctc ggcaagaaa atcttgcaga gtctcccaaa ccaacag 347

<210> 299
 <211> 268
 <212> DNA
 <213> Homo sapien

<400> 299
 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgaata 60
 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtga agaaataaat 120
 gcaggaaagt ttaagtggat gtaagttttt ataaggaaa taataagagg aggctgcttt 180
 tgaaggctct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgtattc 240
 aagtaattag cagttgacca cttggttt 268

<210> 300
 <211> 185
 <212> DNA
 <213> Homo sapien

05849636.05001
 T0E050" 92964860

<400> 300
 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcatt ttagatccaa 60
 ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120
 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180
 agcag 185

<210> 301
 <211> 75
 <212> DNA
 <213> Homo sapien

<400> 301
 aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60
 ttgaaattg gcttt 75

<210> 302
 <211> 247
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(247)
 <223> n = A,T,C or G

<400> 302
 ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct 60
 ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt 120
 tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag ggtggaggaa 180
 gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaacccaaa tgatcactgc 240
 ctacttg 247

<210> 303
 <211> 535
 <212> DNA
 <213> Homo sapien

<400> 303
 ctgcttcaga ggaaatcact gaaaaataaa gaaaaaccat ccatgcatgg ctgcatccag 60
 tgtacctgta atcctgaaga aaaggctcta attccttcca tgctgaaatg ctagctttgg 120
 tttcagagag agactttatt gcaactgtga ccaccgtcac tgggtgagcac tgctgttcgg 180
 cccccagcgg acttaaaaga ctggaatgtg gtagtggcgg tcgttctcgg tcagcaggga 240
 gatctccggc cagtcctga gaggtcctc tgggtagcag acttcaaagt ctctggagtt 300
 aaacttgaac agtctgaaca cttttatctt tacittcaagg gagtatccaa gtataaacat 360
 atcaatctgc tctagtccac atgtgtcgcc tacagaattc aggtgattca tcatgaagct 420
 caaaggatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt 480
 tttagtcttc atttgttcat aaacttcagt gacttgatac agcatgatga acttt 535

<210> 304
 <211> 522
 <212> DNA
 <213> Homo sapien

T08050"2294850

<400> 304
 ccgcgctcgg tctacaatca cgttttatta ttggctcgtc tagtcatggg atagagaagg 60
 taaatagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggg 120
 tttagatctt tatcctggtc ctgtcaatga tcaggtaatt ggaaggatca aaattaggcc 180
 aaacttggtg attggggcaa aattgaacca aagtttgtgt caagaagacc tggggcagag 240
 atatgtgact aaatcatttg gaatatgccc agacccaag aatatttatg cccaacttga 300
 atgctaacca gaagtccctt actgtagaag attgtaagggt tgctatTTTT ttgccccgac 360
 accaaaatat tgatgtatTT tccaacacca attctccaat tctctgacac caactcgatg 420
 ttcaacaatt cagttatatt ctgtcactaa ttctgcagc tatcagcagg cccacaggt 480
 aaaggattca gtctcacaag attgcccccc caccacttC ag 522

<210> 305
 <211> 165
 <212> DNA
 <213> Homo sapien

<400> 305
 cctaaagcgc tctcgtctga agctcaagggtgtccacaatg atttgtttgt caaagttatt 60
 gagtgcataT gccagttctc ctctctctcc accctggtgc tgtgaggcat cgtctgaggc 120
 agtggcctgg gctgcattgg aaatgcctgt gaccgcctgc tgcag 165

<210> 306
 <211> 294
 <212> DNA
 <213> Homo sapien

<400> 306
 ctgcacctaa gacatggccc tggctaggcg ggaacagctc acagtagcga tacattcaca 60
 ggacacagtt ggtgtccaga aaaggggggt cagaacacag tttctacaca agcacttggc 120
 acccacacga cagagacgtc actcaagcag cacagccaca aatagtttac agcagctcat 180
 gcccggtcgc cgcccatgct gggagactcc ctgaaagggtg ggcacctgcc gtctatgagg 240
 aggtgtctcc ctccatcatt aaccccaaac cacacaatgt gtgaggagag cagg 294

<210> 307
 <211> 181
 <212> DNA
 <213> Homo sapien

<400> 307
 aaaaatccat gacaccttga tagaaattag agtttacaca aacaaaaaag gaaccttcga 60
 tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg 120
 cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt 180
 t 181

<210> 308
 <211> 179
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(179)
 <223> n = A,T,C or G

TC050"92964260

<400> 308
aaggctgagg actgctggga gctcagatca gcccgagct actggctcat gggcagccaa 60
aaaatactgg atctgctgaa cgaaggctca gcccgagatc tccgcagtct tcagcgcat 120
ggcccgaaga aggccanct aatcgtgggc tggcgggagc tccacggccc cttcagcca 179

<210> 309
<211> 129
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(129)
<223> n = A,T,C or G

<400> 309
ctgccgctt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttcctcac 60
catcaacctt ttcttcctcc tctcttctcc ccccaacctt ttctcttctc tegtctacct 120
cattgtcag 129

<210> 310
<211> 390
<212> DNA
<213> Homo sapien

<400> 310
tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc 60
tgagagtcag ctctctgccc tgtgtacttc ccgggccagg gctgccccta atctctgtag 120
gaaccgtggt atgtctgcat gttgccctt tctcttttcc cctttcctgt cccaccatac 180
gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc 240
ttggtctgtt tgactttacg cccatctcag gacacttcog tagactgttt aggttcccct 300
gtcaaatatc agttaccac tgggtccag ttttgttgcc ccagaaaggg atgttattat 360
ccttgggggc tcccagggca aggggttaagg 390

<210> 311
<211> 355
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

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<210> 312
<211> 498

038496-050-02964860

<212> DNA
<213> Homo sapien

<400> 312

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<211> 653
<212> DNA
<213> Homo sapien

<400> 313

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<211> 513
<212> DNA
<213> Homo sapien

<400> 314

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<211> 222
<212> DNA
<213> Homo sapien

<220>

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<210> 316
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 <212> DNA
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<400> 316

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<210> 317
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 <212> DNA
 <213> Homo sapiens

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<211> 3347
<212> DNA
<213> Homo sapiens
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<210> 319

<211> 1814

<212> DNA

<213> Homo sapiens

<400> 319

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<211> 3132
<212> DNA
<213> Homo sapiens

<400> 320
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 <212> DNA
 <213> Homo sapiens

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 tcgtttctca tctccttgat gttcctggtt tcttacttgt ttggatttta caaaagattt 240
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<210> 322
 <211> 1398
 <212> DNA
 <213> Homo sapiens

<400> 322
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 tttaacttaa gctattgtct ttaaaaccag ggatcagaat atatttgtaa gttaaactcat 1260
 tgggtgcta atataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
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 ttcattttaa aaaaaaaaaa 1398

<210> 323
 <211> 1316
 <212> DNA
 <213> Homo sapiens

<400> 323
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 gtgaaagaag cagtgaagggt ggccattgat gcaggatatc ggcacattga ctgtgcctat 180
 gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
 gtgaagcggg aggacctgtt catcgctcagc aagttgtggc ccactttctt tgagagaccc 300
 ctgtgtagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgtc 360
 tatcttattc actggccaca gggattcaag tctggggatg accttttccc caaagatgat 420
 aaaggtaatg ccacgcgttg gaaagcaacg ttcttggatg cctgggaggc catggaggag 480
 ctggtggtg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
 gagaagctct tgaacaaaacc tggactgaaa tataaaccag tgactaaacca gggtgagtg 600
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<210> 324
<211> 200
<212> PRT
<213> Homo sapiens
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			20					25						30		
Glu	Val	Pro	Val	Asn	Phe	Ala	Glu	Phe	Ser	Lys	Lys	Cys	Ser	Glu	Arg	
		35					40					45				
Trp	Lys	Thr	Val	Ser	Gly	Lys	Glu	Lys	Ser	Lys	Phe	Asp	Glu	Met	Ala	
	50					55					60					
Lys	Ala	Asp	Lys	Val	Arg	Tyr	Asp	Arg	Glu	Met	Lys	Asp	Tyr	Gly	Pro	
65					70					75					80	
Ala	Lys	Gly	Gly	Lys	Lys	Lys	Lys	Asp	Pro	Asn	Ala	Pro	Lys	Arg	Pro	
				85					90					95		
Pro	Ser	Gly	Phe	Phe	Leu	Phe	Cys	Ser	Glu	Phe	Arg	Pro	Lys	Ile	Lys	
			100					105					110			
Ser	Thr	Asn	Pro	Gly	Ile	Ser	Ile	Gly	Asp	Val	Ala	Lys	Lys	Leu	Gly	
		115					120					125				
Glu	Met	Trp	Asn	Asn	Leu	Asn	Asp	Ser	Glu	Lys	Gln	Pro	Tyr	Ile	Thr	
	130					135					140					
Lys	Ala	Ala	Lys	Leu	Lys	Glu	Lys	Tyr	Glu	Lys	Asp	Val	Ala	Asp	Tyr	
145					150					155					160	
Lys	Ser	Lys	Gly	Lys	Phe	Asp	Gly	Ala	Lys	Gly	Pro	Ala	Lys	Val	Ala	
				165					170					175		
Arg	Lys	Lys	Val	Glu	Glu	Glu	Asp	Glu	Glu	Gln	Glu	Glu	Glu	Glu	Glu	
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Glu Glu Glu Glu Glu Asp Glu
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<210> 325
<211> 263
<212> PRT
<213> Homo sapiens

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Gly Arg Ile His Gln Ile Glu Tyr Ala Met Glu Ala Val Lys Gln Gly
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Ser Ala Thr Val Gly Leu Lys Ser Lys Thr His Ala Val Leu Val Ala
35 40 45
Leu Lys Arg Ala Gln Ser Glu Leu Ala Ala His Gln Lys Lys Ile Leu
50 55 60
His Val Asp Asn His Ile Gly Ile Ser Ile Ala Gly Leu Thr Ala Asp
65 70 75 80
Ala Arg Leu Leu Cys Asn Phe Met Arg Gln Glu Cys Leu Asp Ser Arg
85 90 95
Phe Val Phe Asp Arg Pro Leu Pro Val Ser Arg Leu Val Ser Leu Ile
100 105 110
Gly Ser Lys Thr Gln Ile Pro Thr Gln Arg Tyr Gly Arg Arg Pro Tyr
115 120 125
Gly Val Gly Leu Leu Ile Ala Gly Tyr Asp Asp Met Gly Pro His Ile
130 135 140
Phe Gln Thr Cys Pro Ser Ala Asn Tyr Phe Asp Cys Arg Ala Met Ser
145 150 155 160
Ile Gly Ala Arg Ser Gln Ser Ala Arg Thr Tyr Leu Glu Arg His Met
165 170 175
Ser Glu Phe Met Glu Cys Asn Leu Asn Glu Leu Val Lys His Gly Leu
180 185 190
Arg Ala Leu Arg Glu Thr Leu Pro Ala Glu Gln Asp Leu Thr Thr Lys
195 200 205
Asn Val Ser Ile Gly Ile Val Gly Lys Asp Leu Glu Phe Thr Ile Tyr
210 215 220
Asp Asp Asp Asp Val Ser Pro Phe Leu Glu Gly Leu Glu Glu Arg Pro
225 230 235 240

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Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val

210 215 220
 Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg
 225 230 235 240
 Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro
 245 250 255
 Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met
 260 265 270
 Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys
 275 280 285
 Gln Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile
 290 295 300
 Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met
 305 310 315 320
 Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile
 325 330 335
 Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr
 340 345 350
 Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn
 355 360 365
 Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys
 370 375 380
 Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu
 385 390 395 400
 Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val
 405 410 415
 Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu
 420 425 430
 Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser
 435 440 445
 Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr
 450 455 460
 Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu
 465 470 475 480
 Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg
 485 490 495
 Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu

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500 505 510

Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser

515 520 525

Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg
530 535

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<210> 327
<211> 144
<212> PRT
<213> Homo sapiens
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<400> 327
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Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp
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Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu
35 40 45

Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val
50 55 60

Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro
65 70 75 80

Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser
85 90 95

Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu
100 105 110

Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu
115 120 125

Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser
130 135 140

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<210> 328
<211> 138
<212> PRT
<213> Homo sapiens
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Pro Val Tyr Asp Arg Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr

Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys
20 25 30

Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His
 35 40 45
 Asn Val Ser Ser His Leu Asp Lys Ala Ser Val Met Arg Leu Thr Ile
 50 55 60
 Ser Tyr Leu Arg Val Arg Lys Leu Leu Asp Ala Gly Asp Leu Asp Ile
 65 70 75 80
 Glu Asp Asp Met Lys Ala Gln Met Asn Cys Phe Tyr Leu Lys Ala Leu
 85 90 95
 Asp Gly Phe Val Met Val Leu Thr Asp Asp Gly Asp Met Ile Tyr Ile
 100 105 110
 Ser Asp Asn Val Asn Lys Tyr Met Gly Leu Thr Gln Phe Glu Leu Thr
 115 120 125
 Gly His Ser Val Phe Asp Phe Thr His Pro Cys Asp His Glu Glu Met
 130 135 140
 Arg Glu Met Leu Thr His Arg Asn Gly Leu Val Lys Lys Gly Lys Glu
 145 150 155 160
 Gln Asn Thr Gln Arg Ser Phe Phe Leu Arg Met Lys Cys Thr Leu Thr
 165 170 175
 Ser Arg Gly Arg Thr Met Asn Ile Lys Ser Ala Thr Trp Lys Val Leu
 180 185 190
 His Cys Thr Gly His Ile His Val Tyr Asp Thr Asn Ser Asn Gln Pro
 195 200 205
 Gln Cys Gly Tyr Lys Lys Pro Pro Met Thr Cys Leu Val Leu Ile Cys
 210 215 220
 Glu Pro Ile Pro His Pro Ser Asn Ile Glu Ile Pro Leu Asp Ser Lys
 225 230 235 240
 Thr Phe Leu Ser Arg His Ser Leu Asp Met Lys Phe Ser Tyr Cys Asp
 245 250 255
 Glu Arg Ile Thr Glu Leu Met Gly Tyr Glu Pro Glu Glu Leu Leu Gly
 260 265 270
 Arg Ser Ile Tyr Glu Tyr Tyr His Ala Leu Asp Ser Asp His Leu Thr
 275 280 285
 Lys Thr His His Asp Met Phe Thr Lys Gly Gln Val Thr Thr Gly Gln
 290 295 300
 Tyr Arg Met Leu Ala Lys Arg Gly Gly Tyr Val Trp Val Glu Thr Gln
 305 310 315 320

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Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val	
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Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe	
				340				345				350				
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser	Ser	Asp	
				355				360				365				
Met	Lys	Met	Thr	Gln	Leu	Phe	Thr	Lys	Val	Glu	Ser	Glu	Asp	Thr	Ser	
				370				375				380				
Ser	Leu	Phe	Asp	Lys	Leu	Lys	Lys	Glu	Pro	Asp	Ala	Leu	Thr	Leu	Leu	
385					390				395				400			
Ala	Pro	Ala	Ala	Gly	Asp	Thr	Ile	Ile	Ser	Leu	Asp	Phe	Gly	Ser	Asn	
				405				410				415				
Asp	Thr	Glu	Thr	Asp	Asp	Gln	Gln	Leu	Glu	Glu	Val	Pro	Leu	Tyr	Asn	
				420				425				430				
Asp	Val	Met	Leu	Pro	Ser	Pro	Asn	Glu	Lys	Leu	Gln	Asn	Ile	Asn	Leu	
				435				440				445				
Ala	Met	Ser	Pro	Leu	Pro	Thr	Ala	Glu	Thr	Pro	Lys	Pro	Leu	Arg	Ser	
				450				455				460				
Ser	Ala	Asp	Pro	Ala	Leu	Asn	Gln	Glu	Val	Ala	Leu	Lys	Leu	Glu	Pro	
465					470				475				480			
Asn	Pro	Glu	Ser	Leu	Glu	Leu	Ser	Phe	Thr	Met	Pro	Gln	Ile	Gln	Asp	
				485				490				495				
Gln	Thr	Pro	Ser	Pro	Ser	Asp	Gly	Ser	Thr	Arg	Gln	Ser	Ser	Pro	Glu	
				500				505				510				
Pro	Asn	Ser	Pro	Ser	Glu	Tyr	Cys	Phe	Tyr	Val	Asp	Ser	Asp	Met	Val	
				515				520				525				
Asn	Glu	Phe	Lys	Leu	Glu	Leu	Val	Glu	Lys	Leu	Phe	Ala	Glu	Asp	Thr	
				530				535				540				
Glu	Ala	Lys	Asn	Pro	Phe	Ser	Thr	Gln	Asp	Thr	Asp	Leu	Asp	Leu	Glu	
545					550				555				560			
Met	Leu	Ala	Pro	Tyr	Ile	Pro	Met	Asp	Asp	Asp	Phe	Gln	Leu	Arg	Ser	
				565				570				575				
Phe	Asp	Gln	Leu	Ser	Pro	Leu	Glu	Ser	Ser	Ser	Ala	Ser	Pro	Glu	Ser	
				580				585				590				
Ala	Ser	Pro	Gln	Ser	Thr	Val	Thr	Val	Phe	Gln	Gln	Thr	Gln	Ile	Gln	
				595				600				605				

Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln
20 25 30

Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile
35 40 45

Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile
50 55 60

His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys
65 70 75 80

Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn
85 90

<210> 332

<211> 235

<212> PRT

<213> Homo sapiens

<400> 332

Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu
5 10 15

Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn
20 25 30

Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu
35 40 45

Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe
50 55 60

Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu
65 70 75 80

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys
85 90 95

Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
100 105 110

Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly
115 120 125

Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr
130 135 140

Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser
145 150 155 160

Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe
165 170 175

Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
180 185 190

108050" 92964860

Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr

195							200					205					
Glu	Tyr	Gly	Pro	Cys	Arg	Arg	Glu	Met	Glu	Asp	Thr	Leu	Asn	His	Leu		
210						215				220							
Lys	Phe	Leu	Asn	Val	Leu	Ser	Pro	Arg	Gly	Val	His	Ile	Pro	Asn	Cys		
225				230						235				240			
Asp	Lys	Lys	Gly	Phe	Tyr	Lys	Lys	Lys	Gln	Cys	Arg	Pro	Ser	Lys	Gly		
				245						250				255			
Arg	Lys	Arg	Gly	Phe	Cys	Trp	Cys	Val	Asp	Lys	Tyr	Gly	Gln	Pro	Leu		
		260						265				270					
Pro	Gly	Tyr	Thr	Thr	Lys	Gly	Lys	Glu	Asp	Val	His	Cys	Tyr	Ser	Met		
		275				280						285					
Gln	Ser	Lys															
290																	
<210> 334																	
<211> 582																	
<212> PRT																	
<213> Homo sapiens																	
<400> 334																	
Glu	Ser	Lys	Gly	Ala	Ser	Ser	Cys	Arg	Leu	Leu	Phe	Cys	Leu	Leu	Ile		
				5						10				15			
Ser	Ala	Thr	Val	Phe	Arg	Pro	Gly	Leu	Gly	Trp	Tyr	Thr	Val	Asn	Ser		
		20						25				30					
Ala	Tyr	Gly	Asp	Thr	Ile	Ile	Ile	Pro	Cys	Arg	Leu	Asp	Val	Pro	Gln		
		35				40						45					
Asn	Leu	Met	Phe	Gly	Lys	Trp	Lys	Tyr	Glu	Lys	Pro	Asp	Gly	Ser	Pro		
50						55				60							
Val	Phe	Ile	Ala	Phe	Arg	Ser	Ser	Thr	Lys	Lys	Ser	Val	Gln	Tyr	Asp		
65				70						75				80			
Asp	Val	Pro	Glu	Tyr	Lys	Asp	Arg	Leu	Asn	Leu	Ser	Glu	Asn	Tyr	Thr		
				85				90						95			
Leu	Ser	Ile	Ser	Asn	Ala	Arg	Ile	Ser	Asp	Glu	Lys	Arg	Phe	Val	Cys		
		100						105				110					
Met	Leu	Val	Thr	Glu	Asp	Asn	Val	Phe	Glu	Ala	Pro	Thr	Ile	Val	Lys		
		115				120						125					
Val	Phe	Lys	Gln	Pro	Ser	Lys	Pro	Glu	Ile	Val	Ser	Lys	Ala	Leu	Phe		
130						135				140							

Leu	Glu	Thr	Glu	Gln	Leu	Lys	Lys	Leu	Gly	Asp	Cys	Ile	Ser	Glu	Asp	
145					150					155					160	
Ser	Tyr	Pro	Asp	Gly	Asn	Ile	Thr	Trp	Tyr	Arg	Asn	Gly	Lys	Val	Leu	
				165					170					175		
His	Pro	Leu	Glu	Gly	Ala	Val	Val	Ile	Ile	Phe	Lys	Lys	Glu	Met	Asp	
			180					185					190			
Pro	Val	Thr	Gln	Leu	Tyr	Thr	Met	Thr	Ser	Thr	Leu	Glu	Tyr	Lys	Thr	
		195					200					205				
Thr	Lys	Ala	Asp	Ile	Gln	Met	Pro	Phe	Thr	Cys	Ser	Val	Thr	Tyr	Tyr	
	210					215					220					
Gly	Pro	Ser	Gly	Gln	Lys	Thr	Ile	His	Ser	Glu	Gln	Ala	Val	Phe	Asp	
225					230					235					240	
Ile	Tyr	Tyr	Pro	Thr	Glu	Gln	Val	Thr	Ile	Gln	Val	Leu	Pro	Pro	Lys	
				245					250					255		
Asn	Ala	Ile	Lys	Glu	Gly	Asp	Asn	Ile	Thr	Leu	Lys	Cys	Leu	Gly	Asn	
			260					265					270			
Gly	Asn	Pro	Pro	Pro	Glu	Glu	Phe	Leu	Phe	Tyr	Leu	Pro	Gly	Gln	Pro	
		275					280					285				
Glu	Gly	Ile	Arg	Ser	Ser	Asn	Thr	Tyr	Thr	Leu	Thr	Asp	Val	Arg	Arg	
	290					295					300					
Asn	Ala	Thr	Gly	Asp	Tyr	Lys	Cys	Ser	Leu	Ile	Asp	Lys	Lys	Ser	Met	
305					310					315					320	
Ile	Ala	Ser	Thr	Ala	Ile	Thr	Val	His	Tyr	Leu	Asp	Leu	Ser	Leu	Asn	
				325					330					335		
Pro	Ser	Gly	Glu	Val	Thr	Arg	Gln	Ile	Gly	Asp	Ala	Leu	Pro	Val	Ser	
			340					345					350			
Cys	Thr	Ile	Ser	Ala	Ser	Arg	Asn	Ala	Thr	Val	Val	Trp	Met	Lys	Asp	
		355					360					365				
Asn	Ile	Arg	Leu	Arg	Ser	Ser	Pro	Ser	Phe	Ser	Ser	Leu	His	Tyr	Gln	
	370					375					380					
Asp	Ala	Gly	Asn	Tyr	Val	Cys	Glu	Thr	Ala	Leu	Gln	Glu	Val	Glu	Gly	
385					390					395					400	
Leu	Lys	Lys	Arg	Glu	Ser	Leu	Thr	Leu	Ile	Val	Glu	Gly	Lys	Pro	Gln	
				405					410					415		
Ile	Lys	Met	Thr	Lys	Lys	Thr	Asp	Pro	Ser	Gly	Leu	Ser	Lys	Thr	Ile	
			420					425					430			

Ile Cys His Val Glu Gly Phe Pro Lys Pro Ala Ile Gln Trp Thr Ile
 435 440 445
 Thr Gly Ser Gly Ser Val Ile Asn Gln Thr Glu Glu Ser Pro Tyr Ile
 450 455 460
 Asn Gly Arg Tyr Tyr Ser Lys Ile Ile Ile Ser Pro Glu Glu Asn Val
 465 470 475 480
 Thr Leu Thr Cys Thr Ala Glu Asn Gln Leu Glu Arg Thr Val Asn Ser
 485 490 495
 Leu Asn Val Ser Ala Ile Ser Ile Pro Glu His Asp Glu Ala Asp Glu
 500 505 510
 Ile Ser Asp Glu Asn Arg Glu Lys Val Asn Asp Gln Ala Lys Leu Ile
 515 520 525
 Val Gly Ile Val Val Gly Leu Leu Leu Ala Ala Leu Val Ala Gly Val
 530 535 540
 Val Tyr Trp Leu Tyr Met Lys Lys Ser Lys Thr Ala Ser Lys His Val
 545 550 555 560
 Asn Lys Asp Leu Gly Asn Met Glu Glu Asn Lys Lys Leu Glu Glu Asn
 565 570 575
 Asn His Lys Thr Glu Ala
 580

<210> 335
 <211> 709
 <212> PRT
 <213> Homo sapiens

<400> 335
 Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu
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 Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile
 20 25 30
 Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn
 35 40 45
 Pro Thr Ala Gly Val Val Gln Glu Glu Glu Glu Asp Asn Leu Glu Tyr
 50 55 60
 Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro
 65 70 75 80
 Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys
 85 90 95

Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln
 100 105 110
 Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala
 115 120 125
 Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln
 130 135 140
 Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile
 145 150 155 160
 Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly
 165 170 175
 Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met
 180 185 190
 Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro
 195 200 205
 Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His
 210 215 220
 Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala
 225 230 235 240
 Val Tyr Gly Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu
 245 250 255
 Gly Ala Glu Ile Val Val Cys Thr Pro Gly Arg Leu Ile Asp His Val
 260 265 270
 Lys Lys Lys Ala Thr Asn Leu Gln Arg Val Ser Tyr Leu Val Phe Asp
 275 280 285
 Glu Ala Asp Arg Met Phe Asp Met Gly Phe Glu Tyr Gln Val Arg Ser
 290 295 300
 Ile Ala Ser His Val Arg Pro Asp Arg Gln Thr Leu Leu Phe Ser Ala
 305 310 315 320
 Thr Phe Arg Lys Lys Ile Glu Lys Leu Ala Arg Asp Ile Leu Ile Asp
 325 330 335
 Pro Ile Arg Val Val Gln Gly Asp Ile Gly Glu Ala Asn Glu Asp Val
 340 345 350
 Thr Gln Ile Val Glu Ile Leu His Ser Gly Pro Ser Lys Trp Asn Trp
 355 360 365
 Leu Thr Arg Arg Leu Val Glu Phe Thr Ser Ser Gly Ser Val Leu Leu
 370 375 380

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Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys
 385 390 395 400
 Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser
 405 410 415
 Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Lys Asp Ile Pro Val
 420 425 430
 Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile
 435 440 445
 Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr
 450 455 460
 His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr
 465 470 475 480
 Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg
 485 490 495
 Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu
 500 505 510
 Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys
 515 520 525
 Gly Lys Lys Leu Asn Ile Gly Gly Gly Gly Leu Gly Tyr Arg Glu Arg
 530 535 540
 Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met
 545 550 555 560
 Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg
 565 570 575
 Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe
 580 585 590
 Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly
 595 600 605
 Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn
 610 615 620
 Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala
 625 630 635 640
 Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala
 645 650 655
 Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala
 660 665 670

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Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu

195	200	205
Ser Ser Tyr Glu Gln Asn Asp Asn Ser Leu Val Tyr Phe Ala Tyr Tyr		
210	215	220
His Gly Leu Leu Gly Asn Arg Leu Trp Ser Ser Leu Gln Thr His Cys		
225	230	235 240
Cys Ser Gln Asn Lys Cys Asn Phe Tyr Asp Asn Lys Asp Leu Glu Cys		
	245	250 255
Val Thr Asn Leu Gln Glu Val Ala Arg Ile Val Gly Asn Ser Gly Leu		
	260	265 270
Asn Ile Tyr Asn Leu Tyr Ala Pro Cys Ala Gly Gly Val Pro Ser His		
	275	280 285
Phe Arg Tyr Glu Lys Asp Thr Val Val Val Gln Asp Leu Gly Asn Ile		
	290	295 300
Phe Thr Arg Leu Pro Leu Lys Arg Met Trp His Gln Ala Leu Leu Arg		
305	310	315 320
Ser Gly Asp Lys Val Arg Met Asp Pro Pro Cys Thr Asn Thr Thr Ala		
	325	330 335
Ala Ser Thr Tyr Leu Asn Asn Pro Tyr Val Arg Lys Ala Leu Asn Ile		
	340	345 350
Pro Glu Gln Leu Pro Gln Trp Asp Met Cys Asn Phe Leu Val Asn Leu		
	355	360 365
Gln Tyr Arg Arg Leu Tyr Arg Ser Met Asn Ser Gln Tyr Leu Lys Leu		
	370	375 380
Leu Ser Ser Gln Lys Tyr Gln Ile Leu Leu Tyr Asn Gly Asp Val Asp		
385	390	395 400
Met Ala Cys Asn Phe Met Gly Asp Glu Trp Phe Val Asp Ser Leu Asn		
	405	410 415
Gln Lys Met Glu Val Gln Arg Arg Pro Trp Leu Val Lys Tyr Gly Asp		
	420	425 430
Ser Gly Glu Gln Ile Ala Gly Phe Val Lys Glu Phe Ser His Ile Ala		
	435	440 445
Phe Leu Thr Ile Lys Gly Ala Gly His Met Val Pro Thr Asp Lys Pro		
	450	455 460
Leu Ala Ala Phe Thr Met Phe Ser Arg Phe Leu Asn Lys Gln Pro Tyr		
465	470	475 480

FOE50" 32954850

[illegible]

Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile
5 10 15

Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe
35 40 45

Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser
65 70 75 80

Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn
100 105 110

Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu
115 120 125

Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn
130 135 140

Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly
145 150 155 160

Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser
165 170 175

Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys
180 185 190

Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr
195 200 205

Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala
210 215 220

Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr
225 230 235 240

Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu
245 250 255

Phe	Pro	Gln	Gln	Gln	Gly	Asp	Leu	Gly	Leu	Gly	Thr	Pro	Asp	Gln	Lys
			260					265					270		
Pro	Phe	Gln	Gly	Leu	Glu	Ser	Arg	Thr	Gln	Gln	Pro	Ser	Leu	Thr	Pro
		275					280					285			
Leu	Ser	Thr	Ile	Lys	Ala	Phe	Ala	Thr	Gln	Ser	Gly	Ser	Gln	Asp	Leu
	290					295					300				
Lys	Ala	Leu	Asn	Thr	Ser	Tyr	Gln	Ser	Gln	Leu	Ile	Lys	Pro	Ser	Arg
305					310					315					320
Met	Arg	Lys	Tyr	Pro	Asn	Arg	Pro	Ser	Lys	Thr	Pro	Pro	His	Glu	Arg
				325					330					335	
Pro	Tyr	Ala	Cys	Pro	Val	Glu	Ser	Cys	Asp	Arg	Arg	Phe	Ser	Arg	Ser
			340					345					350		
Asp	Glu	Leu	Thr	Arg	His	Ile	Arg	Ile	His	Thr	Gly	Gln	Lys	Pro	Phe
	355						360					365			
Gln	Cys	Arg	Ile	Cys	Met	Arg	Asn	Phe	Ser	Arg	Ser	Asp	His	Leu	Thr
	370					375					380				
Thr	His	Ile	Arg	Thr	His	Thr	Gly	Glu	Lys	Pro	Phe	Ala	Cys	Asp	Ile
385					390					395					400
Cys	Gly	Arg	Lys	Phe	Ala	Arg	Ser	Asp	Glu	Arg	Lys	Arg	His	Thr	Lys
				405					410					415	
Ile	His	Leu	Arg	Gln	Lys	Asp	Lys	Lys	Ala	Asp	Lys	Ser	Val	Val	Ala
			420					425					430		
Ser	Ser	Ala	Thr	Ser	Ser	Leu	Ser	Ser	Tyr	Pro	Ser	Pro	Val	Ala	Thr
		435					440					445			
Ser	Tyr	Pro	Ser	Pro	Val	Thr	Thr	Ser	Tyr	Pro	Ser	Pro	Ala	Thr	Thr
	450					455					460				
Ser	Tyr	Pro	Ser	Pro	Val	Pro	Thr	Ser	Phe	Ser	Ser	Pro	Gly	Ser	Ser
465					470					475					480
Thr	Tyr	Pro	Ser	Pro	Val	His	Ser	Gly	Phe	Pro	Ser	Pro	Ser	Val	Ala
				485					490					495	
Thr	Thr	Tyr	Ser	Ser	Val	Pro	Pro	Ala	Phe	Pro	Ala	Gln	Val	Ser	Ser
			500					505					510		
Phe	Pro	Ser	Ser	Ala	Val	Thr	Asn	Ser	Phe	Ser	Ala	Ser	Thr	Gly	Leu
		515					520					525			
Ser	Asp	Met	Thr	Ala	Thr	Phe	Ser	Pro	Arg	Thr	Ile	Glu	Ile	Cys	
	530					535					540				

<210> 338
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 338
 Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala
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 Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe
 20 25 30
 Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro
 35 40 45
 Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile
 50 55 60
 Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe
 65 70 75 80
 Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile
 85 90 95
 Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser
 100 105 110
 Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser
 115 120 125
 Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser
 130 135 140
 Ile Tyr Tyr His
 145

<210> 339
 <211> 196
 <212> PRT
 <213> Homo sapiens

<400> 339
 Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
 5 10 15
 Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr
 20 25 30
 Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu
 35 40 45
 Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala

TC0050" 92957860

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<210> 340
<211> 316
<212> PRT
<213> Homo sapiens
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<400> 340
Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val
      5                      10                      15

Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val
      20                      25                      30

Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val
      35                      40                      45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln
      50                      55                      60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp
      65                      70                      75                      80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr
      85                      90                      95

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Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp
 100 105 110
 Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys
 115 120 125
 Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala
 130 135 140
 Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser
 145 150 155 160
 Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu
 165 170 175
 Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr
 180 185 190
 Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr
 195 200 205
 Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu
 210 215 220
 Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys
 225 230 235 240
 His Lys Lys Thr Ala Ala Gln Val Leu Ile Arg Phe His Ile Gln Arg
 245 250 255
 Asn Val Ile Val Ile Pro Lys Ser Val Thr Pro Ala Arg Ile Val Glu
 260 265 270
 Asn Ile Gln Val Phe Asp Phe Lys Leu Ser Asp Glu Glu Met Ala Thr
 275 280 285
 Ile Leu Ser Phe Asn Arg Asn Trp Arg Ala Cys Asn Val Leu Gln Ser
 290 295 300
 Ser His Leu Glu Asp Tyr Pro Phe Asn Ala Glu Tyr
 305 310 315

<210> 341

<211> 422

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(422)

<223> n = A,T,C or G

<400> 341

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caaataagag aacttagaga gaagtcggaa aagtttgcct tccaagcccc aagttaacag 120
aatgatgaaa cttatcatca attcattgta taaaaataaa gagattttcc tgagagaact 180
gatttcaaatt gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa 240
tgctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg 300
ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttgggttaa aaaccttggt 360
accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat 420
gg 422

<210> 342
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

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tcgggacact cttcctttgg gatgtactgc atgggtgttct tggcgtgna tgtgcaggca 120
cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctggtggcc 180
tttgccctct acgtgggcta caccgcgtg tctgattaca aacaccactg gagcgatgtc 240
cttggtggcc tctgcagggg ggcactgggtg gctgccctca ctgtctgcta catctcagac 300
ttcctcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg ataccgcac 420
tcctcctcct gaggccggac cccgccagg caggagagcta ctgtgagtcc ag 472

<210> 343
<211> 139
<212> DNA
<213> Homo sapien

<400> 343
gtcctggggc ttccccctcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg 60
accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga 120
ctccccgggtg gggaggtgg 139

<210> 344
<211> 235
<212> DNA
<213> Homo sapien

<400> 344
ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg 60
agtccaattt gctctcaagt accagtctgt gggccagtgt gtttacgtgc attgtaaggc 120
tgggcgtctc aggagtgcc ctatggtggc agcatacctg attcaggtgc acaaatggag 180
tccagaggag gctgtaagag ccctcgccaa gatccggtca tacatccaca tcagg 235

<210> 345
<211> 458
<212> DNA
<213> Homo sapien

TC030"32364950

<400> 345

ctgtaagggtg	ctattcagtc	ctgtgaccct	tatitttgaa	tgtctttcat	tactgttget	60
ctgttttgtg	acttcctggg	aaaccgccta	ctttgggtgtg	gtgtcacctt	gagctgtgca	120
cataggacac	cagttttgac	ttaacctaac	aggcagtttt	tatctctagc	tttttcaagc	180
caggtattga	gcagtttctt	ggccaatggc	ctgagaaacc	acctgtccct	gtcaaggggt	240
gattttattg	gttttaagt	gggaagtaat	cccatgtact	tatttcttaa	atacctagga	300
agttcttctt	ggtggctcct	cttgccctc	ccctctttct	cccccaacc	accatcctgc	360
aaggcaagga	atggcctctc	cctccacaga	ggcaacggct	gcagagggag	cactgtgggt	420
gccatccag	ttctcttca	aagccaaaca	gacacgcg			458

<210> 346

<211> 525

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(525)

<223> n = A,T,C or G

<400> 346

ccagagcaca	acgcctcacc	atggactgga	cctggaggat	ntcttnnng	gtggcagcag	60
ccacaggtgt	ccactcccaa	gcccaacttg	tgcagtctgg	ggctgaggag	aagaagcctg	120
gggcctcagt	gactatttct	tgttaaggctt	ctggatatat	ncttactaaa	tatactttac	180
attgggtgcg	ccaggccccc	cccggacaaa	gacctgaatg	ggtgggatgg	atcaacactg	240
gcattgatac	cgttaaatat	tcacagaagt	ttcaggacag	agtctccatt	acctgggact	300
catccgcgac	cacagnctac	ctgnanntga	gtagcctgga	atccgaagac	acggctgtgt	360
attactgtgc	gagacttang	gcccgttcgc	tgtggtggga	cttaatgacg	cttttgacat	420
ctggggccaa	gggacagtgg	tcaccgtctc	ttcanggagt	gcattcgccc	caaccctttt	480
ccccctctct	cctgtgaaga	attccccgnc	ggatacgagc	agcgt		525

<210> 347

<211> 423

<212> DNA

<213> Homo sapien

<400> 347

ccagacgctg	acttgtttct	gagtccttaa	gcaggaagga	tttgaaatcc	tggagcttgg	60
cagtcttget	cttcacctct	aagccaatgt	tgaccccttc	atctataaag	tocacaactc	120
tccggaagtc	atctcacagg	aactgtcgag	aagttaaggc	tggggcccca	agccgcaggc	180
cgcccggtgt	gatggcactt	cggtctccag	gacaggtgtt	cttgttggca	gtgatggata	240
caagctctag	caccgctca	gcccagctc	catccaggcc	cttgggccgc	aggteacca	300
gcaccaggtg	gttgtcagta	ccacctgata	ccagtgagta	gcctcgctct	agcagggcat	360
ctgccatggc	ccgagcattc	ttcagaacct	gcagggagta	ctcccgaac	atgggggtgc	420
agg						423

<210> 348

<211> 513

<212> DNA

<213> Homo sapien

<400> 348

cctctaggcc	tgatgctctc	agaggcaata	gaagaaaagt	aaaaggaagg	totcacttca	60
cagacaatga	aacctccta	accctcttcc	ccactacca	caactcccta	cactgccaat	120

```

ctaaataaaa agaggacaat gcatgagtgt gagatacaca tacacacaca cacatacaca 180
cacacacacg cacagcttcc ttccagccaa agaactgcaa aatcccttccc cggaaggagg 240
acaactggca acaccaatca aggcttgggt gtctaagggt atggctggaa tcatgtgaga 300
ctggtaaaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag 360
cccgcacac ttccacatag gggaactgtg gctctggggg cagcctctgc agctactcag 420
aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg 480
aatagctgga gatgggagct gcagggggct cag 513

```

<210> 349

<211> 231

<212> DNA

<213> Homo sapien

<400> 349

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ccttatttct ctgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagagtagga ttgcgctggt atccctaggg taacttgttc c 231

```

<210> 350

<211> 341

<212> DNA

<213> Homo sapien

<400> 350

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ctgcccagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaaggagg cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa 180
aacctcacc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactacca g 341

```

<210> 351

<211> 256

<212> DNA

<213> Homo sapien

<400> 351

```

ggcgttgggg acggtttag gacgtggctc tttattcgtg agttttccat ttacctccgc 60
tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc 120
gctgagcaag caaaggtggt cctcgcggag gtgatccagg cgttctccgc cccggagaat 180
gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtaa gatgctgcaa 240
ttcgtgctgc ccgtgg 256

```

<210> 352

<211> 368

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(368)

<223> n = A,T,C or G

<400> 352

cctttcttgt	aagtgaagaa	naaggaatgc	agcaaagaag	agttcgacat	tgagtcctt	60
agttccatca	ggatcccatt	cgcagccttt	agcatcatgt	agaagcaaac	tgacccatg	120
gctgagatag	gtgcaatgac	ctacaagatt	ttgtgttttc	tagctgtcca	ggaaaagcca	180
tcttcagtct	tgctgacagt	caaagagcaa	gtgaaacat	ttccagccta	aactacataa	240
aagcagccga	accaatgatt	aaagacctct	aaggctccat	aatcatcatt	aaatatgcc	300
aaactcattg	tgacttttta	ttttatatac	aggattaaaa	tcaacattaa	atcatcttat	360
ttacatgg						368

<210> 353

<211> 368

<212> DNA

<213> Homo sapien

<400> 353

ctgaggggtg	gcagtaagca	atgaggatgg	gctataaagc	tgtaactgg	ctaagggcca	60
tccttgggca	ggcatttcag	acacatctgt	agagagggca	gtagcatctc	cgataggcca	120
gctctgaagg	aagcttaatg	cttaatacag	tcacactgca	taaattagct	tagaatgctc	180
tcttgggtaa	aaaatattaa	tagtgtatat	gcacttgaag	agcaaaatto	ctcaagaaaa	240
aaagtttaat	agcaaggagt	ttccatcagt	cccgtcttt	gtgaggatta	ccacaacaaa	300
cacttaaaag	gatacaacag	gtacttatta	aatgctgcct	tgccctttac	ctcttccttt	360
tttttttt						368

<210> 354

<211> 380

<212> DNA

<213> Homo sapien

<400> 354

ccatggcttc	tcacccagac	agtctttctg	ggcaacttgg	ggaagcccct	gttctgctca	60
agtctcacc	catggaagag	gtgggggaag	ggggccttgg	tttttcagga	agacaggttg	120
gagagcacga	gtcactacaa	agcagtaaaa	gtgaatggtg	tctccagggg	ctgggtccag	180
aacaccacgg	agagccccag	ccataaaggt	gtgttccgcc	tctggcctgc	aggaatctct	240
ttgaatctct	ttgattgggt	gctccaagag	caatgggaag	tcaacagcca	ggaggctgga	300
ctgggttccc	tgggaccccg	aggtcccaga	gctgctgggc	agtggttgtc	ggcaaagaag	360
aaaggtccaa	gagggtcagg					380

<210> 355

<211> 347

<212> DNA

<213> Homo sapien

<400> 355

ccagtggagg	ggtgggggta	tcgatccgc	cgggggctgg	cttggttget	ggtgccctga	60
gcccttctct	gccgccttgg	gtgttgctt	cactgatgga	ggtaggcgtc	cagccagatg	120
tcaccagact	tcttcgggga	cctgacgatg	tccaccagcg	cggtagggaa	gggcttcact	180
togtagctga	ggcogtgctt	ggcacacagc	gacttgacca	gcggggccac	ccggctgtag	240
ttgtgtctcg	gcaccttggg	gaagaggtgg	tgctcgatct	ggaagttgag	gtgcccgctg	300
aaccagttgg	tgaaaagtga	gggctccacg	ttgcagggtg	ctgccag		347

<210> 356

<211> 157

<212> DNA

<213> Homo sapien

"00050" 02364850

<400> 356
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 catggacgta ggggctccg agttcttcag gtctgggaag tatgacctgg acttcaagtc 120
 tcccgatgac cccagcaggt acatctcgcc tgaccag 157

<210> 357
 <211> 323
 <212> DNA
 <213> Homo sapien

<400> 357
 ccatacaggg ctggtgcccc ggccttagag gtcaactctc gtacctgat ccagaactgt 60
 ggggccagca ccatacgtct acttacctcc ctccgggcca agcacaccca ggagaactgt 120
 gagacctggg gtgtaaatgg tgagacgggt actttgggtg acatgaagga actgggcata 180
 tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
 ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
 caaggcgggg ctctgatgc tgg 323

<210> 358
 <211> 555
 <212> DNA
 <213> Homo sapien

<400> 358
 aaaaggtttc taaaacatga cggaggttga gatgaagctt cttcatggag taaaaaatgt 60
 attttaaaga aaattgagag aaaggactac agagccccga gttaatacca atagaagggc 120
 aatgctttta gattaaaatg aagggtgactt aaacagctta aagtttagtt taaaagtgt 180
 aggtgattaa aataatttga aggcgatctt ttaaaaagag attaaaccga aggtgattaa 240
 aagaccttga aatccatgac gcaggagaa ttgcgtcatt taaagcctag ttaacgcatt 300
 tactaaacgc agacgaaaat ggaaagatta attgggagtg gtaggatgaa acaatttggg 360
 gaagatagaa gtttgaagt gaaaactgga agacagaagt acgggaaggc gaagaaaaga 420
 atagagaaga tagggaaatt agaagataaa aacatacttt tagaagaaaa aagataaatt 480
 taaacctgaa aagtaggaag cagaagaaaa aagacaagct aggaaacaaa aagctaaggg 540
 caaatgtac accac 555

<210> 359
 <211> 549
 <212> DNA
 <213> Homo sapien

<400> 359
 ctgccagggt gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggc 60
 agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120
 tcaaccacag tctgacacca gagcccactt ccatcctctc tgggtgagg cacagcgagg 180
 gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc 240
 aggaaaaacc agccactgct ttacaggaca gggggttgaa gctgagccc gcctcacacc 300
 ccccccatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa 360
 taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattgtt aagttaagct 420
 ttttcaaaaa atcagcaatt cccagcgta gtcaagggtg gacactgcac gctctggcat 480
 gatgggatgg cgaaccggga agctttcttc ctcgagatgc tcttgctgct tgagagctat 540
 tgctttggt 549

<210> 360

<211> 289
 <212> DNA
 <213> Homo sapien

<400> 360
 ttttaaatttt actagtgtta cttaaatgtat attctaaaaa gagaatgcag taactaatgc 60
 cctaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttatTTTTTT ctgtaaagta 120
 taatatataa aacttcttgc ttaaattgaa tttctatatt agtgggtaaat tgcagtttat 180
 taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac 240
 agaattagga atttgagata tctgattata tttttcatat gaatcacag 289

<210> 361
 <211> 311
 <212> DNA
 <213> Homo sapien

<400> 361
 ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt 60
 gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat 120
 ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg 180
 ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag 240
 gccaaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc 300
 atctgcagca g 311

<210> 362
 <211> 496
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(496)
 <223> n = A,T,C or G

<400> 362
 ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac 60
 aactctgaga tgaacaatat gtgttatact cagagattaa caatctcaat catacatact 120
 gattctttca gacatttaaat aaccactaca tttttttgca ttaatgaagt ttgactatat 180
 gtgtaaaggg actaaatatt tttgcaacag cctgttcttt gttcattctt ttctggatag 240
 cgtgtcctct gtattgcggt agattttatac attctgttgc ctaaatatgt gtgtaaaatg 300
 agctgataaa ctggagtact acttaaaaaa aagtctgtga tttataagat gcatatgctt 360
 tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat 420
 cccccgtccc ccagtctgac atatttcata cagaatgttt aaaagaaaaa ctctgctagt 480
 cttggcaaac atttgg 496

<210> 363
 <211> 673
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(673)
 <223> n = A,T,C or G

094956.0304

<400> 363

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ccaagaggga gataanacaa acttctcaaa caaaaagaaa agaaaaacga atgattcatc 60
tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccgttt ctgctgtact 120
atctggatac taaaatgtta cggaagtagc ttttggttct ccctcactct gcccttagtt 180
aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag 240
ttgagcgctg tcttagcagt tggcttcagt gacagctcat tagtgttttg acttttctta 300
cccagcgtta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc 360
ccttttagtac agttcaagtg aatctggata attgttcacg tttgcttttag cttagataacc 420
atgtagtggt ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa 480
actgtctgac ttctgaata tagagaccaa gtttaccact tctgatgaag agaccaatta 540
agattcattc ctcatctgt ttctttccag tgggagaaga gtcccatga aataagatga 600
aactgattcc atgcactagt acatgtaggc ttctoccttg cgcaaagctt aacaatttgt 660
aggaaacttt ggg 673

```

<210> 364

<211> 495

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(495)

<223> n = A,T,C or G

<400> 364

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ccaaatgttt gcncaagact agcagagttt ttcttttaaa cattctgtat gaaatatgtc 60
agactggggg acgggggatc ttttctaatt cattgttttt cttttaaaaca ttgtgcacaa 120
gcttatattc acatagaaag catatacatc ttataaatca cagacttttt ttttaagtagt 180
actccagttt atcagctcat ttacacaca tatttaggca acagaatgta taaatctacc 240
gcaatacaga ggacacacta tccagaaaag aatgaacaaa gaacaggctg ttgcaaaaat 300
atthtagtccc ttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta 360
aatgtctgaa agaatcagta tgtatgattg agattgttaa tctctgagta taacacatat 420
tgttcatctc agagttgttt tgthtttaag cagtggtaga tgcttctctt taaatgtgca 480
tttttagaaa actgg 495

```

<210> 365

<211> 291

<212> DNA

<213> Homo sapien

<400> 365

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aactgacaag cccttgcgcc tgccctctcca ggatgtctac aaaattggtg gtattggtac 60
tgthcctggt ggcccagtg gagactggtg ttctcaaacc cggatggtg gtcacctttg 120
ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg 180
aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatgttc 240
gtcgtggcaa cgthgctggt gacagcaaaa atgaccacc aatggaagca g 291

```

<210> 366

<211> 277

<212> DNA

<213> Homo sapien

<400> 366

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<210> 367
<211> 311
<212> DNA
<213> Homo sapien
```

```
<210> 368
<211> 384
<212> DNA
<213> Homo sapien
```

```
<210> 369
<211> 216
<212> DNA
<213> Homo sapien
```

```
<210> 370
<211> 561
<212> DNA
<213> Homo sapien
```

<400> 370						
ctggctcctt	cttttgtggt	cgtttggggg	atgggctggt	tgggggttta	ggtgcagaga	60
atggttttgt	gccactgcgt	actggaccac	tctgagcctt	caggggcagg	ttcttgtgag	120
tcttctatgc	atcagataca	tgtttcaggg	catgtgtaat	gctctcccc	tgattaatct	180
gcgcgaacag	tctgtagcgg	gaagcagact	catctgagcc	tgaactggta	gagactgggg	240

gaggaggggg gcctggtgga gggggaggag gacctgatcc ggagaggggt ccagatggca 300
gtccgctcag ttcttttgcc acaggccccg ttttgctcca ggccagtcgg gtggtatgga 360
actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcct 420
catgcttctt atccacatct ttgtactctt tgaggactcg gtttgataaa aacatggcgg 480
catcattcat ttctttcgca taagggccag gcttgggagc catagccacc cagcccaggg 540
cctggatact ttcgctgaca g 561

<210> 371
<211> 518
<212> DNA
<213> Homo sapien

<400> 371
cccacttcca tgcgtctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc 60
agcctccaca cctaccacga cctcccaggg ctgggctcag gaaaaaccag ccactgcttt 120
acaggacagg gggttgaagc tgagccccgc ctcacacca ccccatgca ctcaaagatt 180
ggatttttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa 240
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc 300
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag 360
ctttcttctt cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaagg 420
ggtttctttt tgtctttctg taagggtggc ttccagcttt tgattgaaag tcctagggtg 480
attctatttc tgctgtgatt tatctgctga aagctcag 518

<210> 372
<211> 335
<212> DNA
<213> Homo sapien

<400> 372
ctggaggctg ggtgcaccct gccagatcc acacctgtac cccggcggaa aggctcatgg 60
gcattgaaga cgggtgtgaa aaagccaaag ggaaaagcac caacacccaa tgagaagtgg 120
aagcccccg tatcaccaaa tggctggaat cccctctgc tctccggagc tggctctctg 180
ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct cctcgcgcc 240
taaagcggga caacctctc tctgctgac ccagctttac atactggaca ctcttgccgt 300
tctggccgtg tctccagcca ctgatgaaga catgg 335

<210> 373
<211> 467
<212> DNA
<213> Homo sapien

<400> 373
ccactagctg aatcttgaca tggaagggtt tagctaattgc caagtggaga tgcagaaaat 60
gctaagttga cttaggggct gtgcacagga actaaaaggc aggaaagtac taaatattgc 120
tgagagcatc caccacagga aggactttac cttccaggag ctccaaactg gcaccacccc 180
cagtgtcac atggctgact ttatcctccg tgttcattt ggacacagca gtggcagtgt 240
ctccaccacc tatgatggtg atgcagcccc tagaagtggc ttccaccacc tcatccatga 300
gagcttttgt tccccgggca aaagcttccc attcaaatac cccacagga ccattccaca 360
caatctgctt agcccgagt acagcctcag catacttctt gctgctttca ggaccacagt 420
ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg 467

<210> 374
<211> 284
<212> DNA

TC050" 92964860

<213> Homo sapien

<400> 374

tttccgtaaa	agcgtgtaac	aaggggtgtaa	atattttataa	ttttttatac	ctggtgtgag	60
acccgagggg	cggcggcgcg	gttttttatg	gtgacacaaa	tgtatatatt	gctaacagca	120
attccaggct	cagtattgtg	accgcggagc	cacaggggac	cccacgcaca	ttccgttgcc	180
ttaccgatg	gcttgtgacg	cggagagaac	cgattaaaac	cgtttgagaa	actcctccct	240
tgtctagccc	tgtgttcgct	gtggacgctg	tagaggcagg	ttgg		284

<210> 375

<211> 307

<212> DNA

<213> Homo sapien

<400> 375

cctactcttc	tccgtccatt	gtactatctg	cccgtggtgg	ggatggcagt	aggatcatat	60
ttgatgactt	ccgagaagca	tattattggc	tccgtcataa	tactccagag	gatgcgaagg	120
tcatgtcctg	gtgggattat	ggctatcaga	ttacagctat	ggcaaaccga	acaattttag	180
tggacaataa	cacatggaat	aataaccata	tttctcgagt	agggcaggca	atggcgtcca	240
cagaggaaaa	agcctatgag	atcatgaggg	agctcgatgt	cagctatgtg	ctggtcattt	300
ttggagg						307

<210> 376

<211> 650

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(650)

<223> n = A,T,C or G

<400> 376

ccattgncn	ctnacgtgat	gtcatcatct	gccagggtcat	cttggcaaaa	gtcggagcat	60
ttctcagtc	ctgcaaagta	gcccttctcg	ttggagcacc	ggaagagacg	tgtgtgtttc	120
atgtactcgg	catcgtcatc	atagggcttc	tgtgccccaa	tgccaccca	gaagaagtcc	180
tcaggctcct	caccttcggt	gataacctgc	ttgctgtagg	aggtgtcaaa	catggtgttc	240
aggatgtctt	ctgccaaact	ggcttcgtca	gggtctgatg	ccgggccac	ccaggcatac	300
acgatgccct	ggttgtcctc	actotcaaag	ggaaccttga	ggatgaagca	gaactcggag	360
ttgaggaggc	tggagtcggt	gttgatctgg	atgcaccggg	tgcagagggc	gctgccgttg	420
gtgcggatct	ggtagaggct	gggctgttgg	gcgccttgga	ccgccttctc	cttgccccgg	480
tggatgatga	acttcctctt	gaaatgggac	aggaacttgg	ggttctctct	ctgctgcgtc	540
atgcgtacca	cctccagctt	cccagggaag	aggctctcga	acttcttttg	caggctgaag	600
gtgaaggtga	cccaccata	ttgggaggct	ttcacggccc	tgcagaagt		650

<210> 377

<211> 306

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(306)

<223> n = A,T,C or G

gaggaacaaa tgaaatataa atcggagggg aagtgccttct ctgttttggg attttgtaaa 480
 tcttctcagg gtcagagaag attcttcatg ggaaatcaag ttctaaagge tttgccccaa 540
 gagatgatga ggcag 555

<210> 381
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 381
 ctgcaccagg tgggcctcta ggtccatta agcccattgg tccagggccca agtccaactc 60
 cttttccatc atactgagca gcaaagtcc caccgagacc aggggggcca ggaggaccag 120
 gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac 180
 ccctttctcc acgtggctct ctatctccgg ctggggccctt tcttacagtt tcctcttgta 240
 aagattggca tgttgctagg cataaggtta ctgcaagcag caacaaagtc cgcgtatcca 300
 caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgcag agcccctggg 360
 tcaccggcgg aggtatcacc tggcggggcg gggcatgcag tcgtgg 406

<210> 382
 <211> 528
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(528)
 <223> n = A,T,C or G

<400> 382
 ctgagcagtt tgtgggtntn ttttcccgca agtttcagga agtattcaca aaagaaaaat 60
 acattttttc ccccgagggt ggggcaagga cagtggagag agtgctagga aatgagtccc 120
 ctgggaaagg ggaccgggcc gtgatgttaa atatctccgg ctcccaagtg actggatttg 180
 cctaggacct tcagaccaac agacttcaga cctcagacc tgccccgggg ccagggtggag 240
 aaagtgaggg ccgtacaagg aagtgaatt ctgagttggt ggggctaagc ctgacccct 300
 ctccatgctc cccgccccaa cccactctgg cctcagtaga ttttttttc agttgtggtt 360
 gttgccagg ctggagtgc gtagcgccat cttggctcac tgcacctcca cttccgggc 420
 tcaagcgatt ctccagctc agcctcctga gtagctagga ctgcaggtgc tccaccaogc 480
 ccggtcaatt tttgtatttt tagtagagat ggggtttccc catgttgg 528

<210> 383
 <211> 335
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(335)
 <223> n = A,T,C or G

<400> 383
 ccatnttgag tctactcctg cgtcttgtgc cctagcacc cgagaaccgt cagtttgagc 60
 cagatggaag ctgagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa 120
 atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagtggg 180
 gaaacgggtg ttccgaataa tatcctggaa gttatcagga cacctatttt aaatataggc 240

ctgaattttg taaagtaata ttttaaggtgg tccgtgataa ttaaataaaa tgcttaattc 300
atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaa 335

<210> 384
<211> 333
<212> DNA
<213> Homo sapien

<400> 384
agtccaatac ggctattggg gttgtagcag ctttcagagg aaattagtgg tctgggcttg 60
cctccagctc cccaggggca gccccagtag ctacactgtc cagacagcac aagaccaggc 120
tgggtgtcacg tccatccgag cgctgcctca gggatcgata aagtttctact gcagaaagtc 180
tccactgagg tatgctgaca tctgcctga accttcaccc tacagcatta caggctttaa 240
tcagattctg ctggaaagac acaggctgat ccaagtgaac tcttctgcct tcaactgggct 300
ggggtgatcc ttggtgcctt tgttccaca agg 333

<210> 385
<211> 343
<212> DNA
<213> Homo sapien

<400> 385
ctgtgacacc tcaggttgaa agggctcttc tcttgaaca cccaccgagg ggcttgaggc 60
aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc 120
tggcacctgt actctccaact gtctgcgact gtggcagcgt caatgaagta gctcgaggcc 180
tggcttgaga tgaggctctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag 240
gctccctggc acttcagagt cacactgtcc ttctcgagca cctgtacca ttgaggctcc 300
aggaacacca cagcctttgg gagatcttca gtccgcgatgc caa 343

<210> 386
<211> 244
<212> DNA
<213> Homo sapien

<400> 386
tattctttga ttcttggcaa ataggtgaga gaactaatag caaccaggca actgaggacg 60
aagtcaaaaa gtcggttaaca gaagaatgga atcagccaac ccacttgata agaaattgct 120
ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180
gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 240
acag 244

<210> 387
<211> 504
<212> DNA
<213> Homo sapien

<400> 387
atctggagtc cagcctcagg gatgcgctac ttccattct ctgcattgaa cattcgttct 60
gtcagcatcc gtccagctt cactgcatca gcggcaaaact tgcggatccc gtcagagagc 120
ttctccacag ccatctggtc ctggttggtc aaccaacgga aagacttctc atccagggtg 180
atctttttcca ggtcactggc ttgggcccgc ttggctgaga gcacaggcac cagcttggcg 240
ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaaagtc acagccggcc 300
agtgccttga tctcgcccggt gttgcggaag gaggcgccca tgacaatggt tttgtagcta 360
aacttcttgt agtagttgta gatttttagtg acactcttta cccaggggtc ttccaggggc 420

tcataggatt tcttgctggt gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg 480
gagatgaggg tcacacccgc ctgc 504

<210> 388
<211> 450
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 388
gccaaagtgc tgcntgaatt ccactccctt ggTTTTcgcc tgcccagcgt tgctgtttgc 60
gtggaggggtg gggggagctc agtggcaggg aatcagcggg ccgtggggtc gtggggacgg 120
gaacatgtgc ccgaccgctc catcccctcc tctccttag gatgcataac ctaccttgctc 180
TTTTTTTTTT taaattttnt ttccaggtan agtagctntt tgtacataaa naatacttga 240
aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgatg 300
actgccatga gttccaccaa aaagccactn tattttggctc tntgtgacat tttaaatgcg 360
tgacaaaagt gagcaataa agngaggaan aaatntatnt atganataat atanattgta 420
ttgaaatcta aaaaaaaaaa aaaaaaaaaa 450

<210> 389
<211> 297
<212> DNA
<213> Homo sapien

<400> 389
cctgcacttg aacatggcctt tggTTTTaag caactttctt accctgaccc tctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag tttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 390
<211> 223
<212> DNA
<213> Homo sapien

<400> 390
ctgggctgga gagttggtgc tggcaaaaca gtccttcccc tggggccggt tcttaccag 60
gtccagagaa accaacgcgg gatgtcagac ttcacaaaaa ggactttctg gttgcccctg 120
gctggcttcc tggaggcgtt cgcctctagt ttctcagggg tggagcgaga gccagccag 180
agaacagtaa gaggagctgc tctcctatct gcactcacc agg 223

<210> 391
<211> 365
<212> DNA
<213> Homo sapien

<400> 391
ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gccactggc ctctgtgaa 60
ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120

10050"32964860

ctggggctgc ccagcctgac cgtaggggat ccaactggcag agccaagggtg gatgctggtg 180
 cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
 ctcccagcag aacagaacgg aaaaggagct gattggggat agaattgagtt ctgctaaaca 300
 gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
 ggtgg 365

<210> 392
 <211> 302
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(302)
 <223> n = A,T,C or G

<400> 392
 ccaagagcta caatgagcag cgcatacanga cagaacgtgc aggttttttga gttccagttg 60
 actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120
 gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 180
 tgctgatgt ctaccagaag ccctgtgtgt ggatggtgac gcagaggacg tctctatgcc 240
 ggtgactgga catatcacct ctacttaaat ccgtcctgtt tagcgacttc agtcaactac 300
 ag 302

<210> 393
 <211> 213
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(213)
 <223> n = A,T,C or G

<400> 393
 ccaataatca agnacaaaana ctggatttga ggatggatca gttctgaaac agtttctttc 60
 tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120
 acaggcagcc catgatgccg tggcacagga aggccaatgt cgggtagatg acaaggtgaa 180
 tttccatttt attctgttta acaacgtgga tgg 213

<210> 394
 <211> 334
 <212> DNA
 <213> Homo sapien

<400> 394
 cctaccata atccagagag gcttgcccag aggaggacta cgtgggggac gtgccaccag 60
 aaccctactt gggggcggga tgtcactccg aggtcaaaac ctgctccgag gtggacgagc 120
 cgtagctccc cgaatgggct taagaagagg tggtgttcga ggtcgtggag gtcctgggag 180
 agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcgggggtat 240
 gataggctcg ggaagagggg gctttggagg ccgaggccga ggccgtggac gagggagagg 300
 tgcccttgct cgccctgtat tgaccaagga gcag 334

<210> 395

<400> 395

<210> 396

$\langle 211 \rangle$ 140

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

<222> (1) ... (140)

<223> n = A, T, C or G

<400> 396

<210> 397

<211> 318

<212> DNA

<213> Homo sapien

<400> 397

<210> 398

<211> 517

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (517)$

<223> n = A, T, C or G

<400> 398

ccttncttgc	ccatccattc	atcgaccctc	tccagcactt	gctgcaggct	tggctgacca	60
tccaccatgg	cttgaataat	cccggtgagc	tctgtacaga	atggggtaag	ctgtggatgg	120
actacaggct	ggacatacat	gtgaaaggta	gactcaatct	ccatgggtccg	gccatttagc	180
tttaggatgg	ggaactcgat	gattttctga	ggatgaatct	gtggtctgtc	gcacgtggcc	240
tcaaagttcca	gcactaaaaa	gtagtgtatac	ctctggagag	ggaaggcacac	cattgccgc	300
atgtagtcgc	caaaagccgtg	ggccgccagc	tttctggttg	ataatgagca	gaactccaga	360

acaccacagg gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac 420
gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct 480
aaaactctcc ttacttcgaa gatgccaaga ccggcag 517

<210> 399
<211> 329
<212> DNA
<213> Homo sapien

<400> 399
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120
cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
ttagggcaag agccaggat agtctccctt ccagaaattt gtaactgaga agatcttttc 240
tttttccttt tticggtaac aagacttaga aggagggccc aggcactttc tgtttgaacc 300
cctgtcatga tcacagtgtc agagacgcg 329

<210> 400
<211> 451
<212> DNA
<213> Homo sapien

<400> 400
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60
cccctgtatt ggattgccac acggetcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag ctgctggagc tggcaaggtc accaagtctg cccagaaagc 360
tcagaagcta aatgaatatt atccctaata cctgccaccc cactcttaat cagtgggtgga 420
agaacggctc agaactgttt gtttcaattg g 451

<210> 401
<211> 180
<212> DNA
<213> Homo sapien

<400> 401
ccaggaagca ggccagggga ttggcagcac tgcccagcac cacagccagg tggtaggcca 60
gacgccgta gggtaagcag gaaaagctct gcacggcagg cagcacgcca ttggtcagcg 120
cgttggtggc ggccaacagg cccagcaggc aggcactgcg ggctgataga agctgatagg 180

<210> 402
<211> 385
<212> DNA
<213> Homo sapien

<400> 402
ccaggccacc tgtcgggggc tcctcgatgt ggaaggttcg ggtgaggaga ttgtagaagg 60
agccgtagca cacggccacc acagtgcacg tgaggcagat cacgttgtag ggcattgctga 120
agtccggtgt cggcaggttc accagcagcg gctccgtgta gagccgcaca aagtagttag 180
agccatcaga gactgggaac aggtctgttg agaggggact ctcttcccag tccactggct 240
tggctgctac catgctgggc acaagggcgc tgaggacaga tgggctgaca tagaagccat 300
ggttaggata tggcgtgtac tcggctccact tcagcagcgc ccgctcaaac tggatggaaa 360

385

```
<210> 403
<211> 440
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G
```

<400> 403							
ctgtttaacc	agnaacccgg	ggggtcaccc	cccacagaat	gtacatgaaa	cactagagga		60
ctgcatgttt	ttccctgaga	gaagcgtaag	acaacagaa	gtcaaaaagt	agtcactggg		120
agcgccatcc	ttctaagcaa	atcctccctt	tcccttttgg	aggatttgcc	ogaactacgt		180
agccagtcag	cacttagacc	acctgcctcc	tccccccct	ataaacccac	cactcccctc		240
ctcctttccc	aaaccaattg	gggtgtccta	agccctcact	gccccaaagg	caaaatatca		300
gctaagatcc	ttgtcagtat	ttccacagtc	atacctaata	aattgggaag	tggggcccct		360
aaaaccaatc	tcacatctat	gcacttggtt	ccactggatt	tggcagacag	gcttttttag		420
ttaccgtaac	cagatcttaa						440

```
<210> 404
<211> 239
<212> DNA
<213> Homo sapien
```

<400> 404						
cctacgaaaa	actcccggcc	ggtgaagaga	acgtcagtc	catccagcgt	cgcgttctcg	60
tctcctattt	ccacaattcg	gagcccagg	tcttgcaagg	ctttgcggac	tccatcgacc	120
tctggcctac	gagcggggct	ccagggccgc	gtgattagg	ccgtgtcccc	ttggatcacg	180
cctgtctcgc	caagcagcgc	tcccagcgc	aatgactcct	caggtggcag	ttotagcag	239

```
<210> 405
<211> 261
<212> DNA
<213> Homo sapien
```

<400> 405						
ctggagagggc	agcccttcac	cggatgccca	gctccgtgcc	cctgcggggc	ccagcacagt	60
ttaccttctc	ccccacggc	ggtcccatct	actctgtgag	ctgttcccc	ttccacagga	120
atctcttctc	gagcgctgg	actgacgggc	atgtccacct	gtactccatg	ctgcaggccc	180
ctcccttgac	ttcgtctgag	ctctccctca	agtatctgtt	tgctgtgogc	tggtccccag	240
tgcggccctt	ggtttttgca	g				261

```
<210> 406
<211> 641
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(641)
<223> n = A,T,C or G
```

<400> 406
 ctgctcccgg gcnttgggtggc agcaagtaga catcgggcct gtgcaggggcc acccccttgg 60
 gccgggagat ggtctgcttc agtggcgagg gcagggtctgt gtgggtcacg gtgcacgtga 120
 acctctcccc ggaattccag tcatcctcgc agatgctggc ctacccacag gcgctgaaag 180
 tggcattggg gtggctctcg gagatgttgg tgtgggtttt cacagcttcg ccattctggc 240
 ggggtccagga gatgggtcac ctgtcatagg tggtcaggtc tgtgaccagg cagggtcaact 300
 tgggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggtatg 360
 ctgtgtcttg atcggggaca cacatggagg acgcattctg ctggaaggte aggcccctgt 420
 gatccacgcg gcagggtgaac atgctctggc tgagccagtc gctctctttg atgggtcagt 480
 tgctggtcac cttgtaggte gtggggcccag actctttggc ctgagcctgc acctggtccg 540
 tgggtgacgc agacccacc tgcttcccct cgcgcagcca ggacacctga atctgccggg 600
 gactgaaacc cgtggcctgg catatgagct tggacttgcg g 641

<210> 407
 <211> 173
 <212> DNA
 <213> Homo sapien

<400> 407
 ccagggtactg gcacaatcat gtctggatgg ggggtgggtgt gtcctgtagg cagagaaaca 60
 ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120
 tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

<210> 408
 <211> 165
 <212> DNA
 <213> Homo sapien

<400> 408
 ccactgtctg cagccatggc agaaagtgtc caaagtcag caccctcaca ttcatctcat 60
 cactcttggg gttccccagg accttgagca cctcggcgtt ggtagggttc tggcccaggg 120
 ccctcatcac atccccacac tggctgtaca ggatcttgcc atcac 165

<210> 409
 <211> 329
 <212> DNA
 <213> Homo sapien

<400> 409
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60
 tacttggtgt tgctttgttt ggagggtgtg gtgggtctcca ctcccgctt gaoggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc 180
 agtgtggcct tgttggtttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgaccaag gacggtcagc ttgggtccctc cgccaaatac cgccggataa 300
 gcaccactgt tgtctgctga ttgacagaa 329

<210> 410
 <211> 235
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<211> 389
 <212> DNA
 <213> Homo sapien

<400> 417
 tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgtc 60
 agagcaaaca cagatcgcag gtagccctgg agctgaggaa tagctttgat ttttggtaaa 120
 atttgtgagt ccacagcttt ctgatcaatc ttgcgctgct ccgtaatctc atatttctct 180
 ttttctgtgt cgaagatctc accttcctgg tgtctgggct tccgcagctt cttcttcttg 240
 aagtaagcat cagtaagatg ttttgggatt tttacattgc tgatatcgat tttgggtgaa 300
 gtggcaatga caaatttctg gtgtgttctt cgtagaggaa ctcgattgag gaccagagggt 360
 ccagtcacaa gtaataagcc actagccag 389

<210> 418
 <211> 343
 <212> DNA
 <213> Homo sapien

<400> 418
 gtgggaggga gccaggttgg gatggaggga gtttacagga agcagacagg gccaacgtcg 60
 aagccgaatt cctggctctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg 120
 cgggaggtct tgggtggtttt gtattcaatc actgtcttgc cccaggctcc ggtgtgactc 180
 gtgcagccat cgacagtgc gctgtagggt aagcggctgt tgccctcggc gcggatctcg 240
 atctcgttgg agccctggag gagcagggcc ttcttgagggt tgccagtctg ctggtccatg 300
 taggccacgc tgtttttgca gtggtagggt atgttctggg agg 343

<210> 419
 <211> 255
 <212> DNA
 <213> Homo sapien

<400> 419
 cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg 60
 cctttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc 120
 tcagtgaag tgagccattc ggggtggcat gtactccag gaataaacac aacttagaaa 180
 caaatgattt cgtaggatag cacagtgcac tgggtgactg tgaacctgag gccactgtgt 240
 caaactgtgc actgg 255

<210> 420
 <211> 261
 <212> DNA
 <213> Homo sapien

<400> 420
 cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag gggataaac 60
 cccacatgca agaagaaccc ttgccccag tgtcaaatgg gatggggatg ctagagttat 120
 agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataaccct 180
 gttctccagc tcccaaatgt gctcactttc ccagcttctt catccgttca tcaatgctgg 240
 caaagttccc ctcaactgtg g 261

<210> 421
 <211> 179
 <212> DNA
 <213> Homo sapien

<223> n = A,T,C or G

<400> 425

ctgctccatg	gnctcaaagt	cagcaccacc	cacacccaca	atgatcactg	acatgggcag	60
gttcgaggca	cgcaccacag	cctcacgtgt	ggcttcacaa	tccgtcacag	caccatcagt	120
cagnagaaac	agnatgaagt	attgngaggc	antcccctga	tgtgcagcct	gggctgcaaa	180
cctggacctg	cccgggcggc	cgctcgaaaag	ggcgaattcc	agcacactgg	cgcccggttac	240
tagnggatnc	aganctcggg	acnaagcttg	gcagtaatac	tggtcatagc	tgtttcctgt	300
gagcggntgg	gatgaacgcg	gccgtacgct	cat			333

<210> 426

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(411)

<223> n = A,T,C or G

<400> 426

gggtgttcat	catgaggatt	gcttctgcc	tggagctgat	ggacgtgggc	aggttgctga	60
gaaggtgggg	tggaagttag	tgcgggggg	gggtgagtg	cctggctctg	ttcatagggg	120
agcctttccc	tagcagtgg	acgctgtggt	cattttctct	agcatattcc	cttggaagt	180
ctagatttgc	tattaatctg	gctgagaatc	taagtctctg	gccttagaga	cagtttgac	240
tttcccatat	tgtgcctggg	acagccatat	gatttttttt	cccaccaaac	aagtatgcaa	300
acagaaacca	gttcaaagg	ggatgggtga	aaagatgagg	cagtanaaat	gcctttgaat	360
ggttttctgt	agctaattct	ctttaaattt	tgtcctgctt	tttttcttta	t	411

<210> 427

<211> 450

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 427

acgtgtacaa	gtttgaactg	gatacctctg	aaagaaagat	tgaatttgac	tctgcctctg	60
gcacctacac	tctctactta	atcattggag	atgccacttt	gaagaacca	atcctctgga	120
atgtggctga	tgtggnatc	aagttccctg	aggaagaagc	tccctcgact	gtcttgccc	180
agaacctttt	cactccaaaa	caggaaattc	agcacctgtt	ccgcgagcct	gagaagaggc	240
ccccaccgt	ggtgtccaat	acattcactg	ccctgatcct	ctcgccgttg	cttctgctct	300
tcgtctctgtg	gatccggatt	ggtgccaatg	tctccaactt	cacttttgct	cctagcacga	360
ttatatttca	cctgggacat	gctgctatgc	tgggactcat	gtatgtctac	tggactcagc	420
tcaacatggt	ccagaccttg	aagtacctgg				450

<210> 428

<211> 377

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(377)
 <223> n = A,T,C or G

<400> 428

cagggtctata	gtgcgctatg	ttgatctggt	gttcattgcta	agttccgcat	caatatggtg	60
acttcttggg	agtgggggac	caccagggtg	cctaaggagg	ggtgaacctg	cctacgttgg	120
aaatagagct	ggncaaaaact	cctgtgctca	tcagtagtag	aattgcacct	gtgaatagcc	180
nccgccctcc	agcatgggca	acataacaag	accctgcctc	ttaaagataa	aaattggaaa	240
acactngtag	gaaaaaaagg	gtgnttggtc	taaataaatn	tggattgggn	ataaatgacn	300
caaaactatc	atgaatttga	aagcnncttct	aatttcttga	aagtctgaaa	aaagttaaan	360
cncaatttta	tctnaaa					377

<210> 429
 <211> 206
 <212> DNA
 <213> Homo sapien

<400> 429

gttgctcctc	caaagaaggt	tggcttcaag	gccgtgtcca	gggaccacag	agcagaggca	60
ctggggggca	agggatctcc	aagggggcaa	gggatcccta	aagggggtag	ctcacagggtg	120
aggggggtta	gggcccctct	aggagcgcc	tgaggccata	cattcaagag	tgtccctggt	180
gaggcccagg	gaagagccag	gactgg				206

<210> 430
 <211> 473
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

<400> 430

ccttattint	cttgctcttt	cgtacaggga	ggaatttgaa	gtagatagaa	accgacctgg	60
attactccgg	tctgaactca	gatcacgtag	gaactttaatc	ggtgaacaaa	cgaaccttta	120
atagcggtctg	caccatcggt	atgtcctgat	ccaacatcga	ggtcgtaaac	cctattgttg	180
atatggactc	tagaatagga	ttgcgctgtt	atccctaggg	taacttggtc	cgttggtcaa	240
gttattggat	caattgagta	tagtagttcg	ctttgactgg	tgaagtctta	gcatgtactg	300
ctcggagggt	gggttctgct	ccgaggtcnc	cccancggaa	atttttaatg	cagggtttggt	360
agntnaggac	ctgtgggttt	gttaggtact	gggtgcatta	ataaattaaa	gctccatagg	420
gtctttctcg	cttgctgtgt	tatgccncc	tcttcacggg	cagggtcaatt	tca	473

<210> 431
 <211> 215
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(215)
 <223> n = A,T,C or G

<223> n = A,T,C or G

<400> 438

```
ccacggccct ctcggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc    60
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtagctat aaggagctcc    120
ttgacacggg caccgcccc cagaagaacc tcaagagtgc ctcccggatc gtctttgaga    180
agaagctgcg cataaaatcc agctttgtgg cacctctgga aaagtcatat gggaccaggc    240
ccagagtcct gacgggcaac cctcgcttgg acctgcaaga gatcaacaac tgggtgcagg    300
cgcagatgaa aggggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc    360
tccttctcgg ngtggcgcac ttcaaggggc agngggtaac aaagtttgac tncagaaang    420
acttcctcgg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg    480
gacct                                             485
```

<210> 439

<211> 317

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 439

```
gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg    60
ggtcagaagg attcctatgt gggcgacgag gccagagca agagaggcat cctcacctg    120
aagtaccca tcgagcaagg catcgnaccc aactgggacg acatggagaa aatctggcac    180
cacaccttct acaatgagct gcgtgtggt cccgaggagc accccgtgct gctgaccgag    240
gccccctga accccaaggc caaccgnag aagatgacct agatcatgtt tgagacctc    300
agcaccacag ccatgta                                             317
```

<210> 440

<211> 338

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(338)

<223> n = A,T,C or G

<400> 440

```
ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag    60
ggccctcgaa gggcttgttg ctggggtgat cccagggggc attgctcaaa gtgcacagga    120
ggtggcagca gggtcaggcg agttcctgtt ccaggacat caggaggag ggtagaagcc    180
tagggagtgt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc    240
agctcaatgg tttctccatc cttgggtctg tagtcagcaa taccttgcaa cagtggggtg    300
ttggggtctc ggagaagctg ccagaactcc ctttctcc                                             338
```

<210> 441

<211> 505

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

<400> 441
 ccacacagan tcaccaagcc acagacttgt cttccacaag caggttctta tcttagccac 60
 gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
 aaataccaag gggaacagtt aacttcaata caaggtcgaa atcagcaaca agttctacaa 180
 tccagngctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
 tttcgngagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
 acccatgcag caaatgctac ncatggtgcn gagtccgttt agaagcattt gcggtggacg 360
 atggaggggc ccgactcgtc ttaactcctgc ttgctaatac acnngngctg gaaggnggac 420
 agtgaggcca cggatggagc caccnatcca caccgagtnc ttgcgctctg ggggtgcgat 480
 natnttgatc ttcatggtgc tgggc 505

<210> 442
 <211> 386
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(386)
 <223> n = A,T,C or G

<400> 442
 cgccagggtga tacctccgcc ggtgacccag gggctctgcg acacaaggag tctgcatgtc 60
 taagtgctag acatgctcag ctttgtggat acgcggactt tgttgctgct tgcagtaacc 120
 ttatgcctag caacatgcc aatctttacaa gaggaaaccg taagaaaggg cccagccgga 180
 gatagaggac caggtggaga aaggggtcca ccaggccccc caggcagaga tggatgaagat 240
 ggtcccacag gccctcctgg tccacctggt cctcctggcc cccctggtct cgatgggaac 300
 tttgctgctc agtatgatg aaaaggaggg nggacttggc cctggaccaa tgggcttaat 360
 gggacctana ggcccacctg gtgcag 386

<210> 443
 <211> 404
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(404)
 <223> n = A,T,C or G

<400> 443
 cctccctctc agagcttgcc ccagggactc tctggccctc agggttcaat gtattctgac 60
 caaggccaag ctttctctgg gctcaggga aatcacactt tgctaccoga agctgtatcc 120
 cctcagatgc cagggaaggc gtgatcatct gactccaccc tcttgagaca cattctctcc 180
 ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
 ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgaccctgag agggcaggac 300
 acagcnaccg ngggcttaag gtgagggngg agagcaagnt tggccactt tacaattcta 360
 gntcagagcc ancccctaac atggngggca tttattcatt tcgg 404

<210> 444
 <211> 318
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(318)
 <223> n = A,T,C or G

<400> 444
 catgggctat agtgcgctat gttgatctgg tgttcacgtt aagttccgca tcaatatngc 60
 gacttcttng gagtggggga ccaccangtt gcctaaggag ggggtgaacct gcctacgttg 120
 gaaatagagc tgggtcaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc 180
 caccgcctc cagcntgggc aacatagcaa gacctgcct cttaagataa aaattggaaa 240
 aactgggtan gaaaaaaagg ctgtttgggc taaanaagtc tggatnnggt ataatgaca 300
 cnaancatc atgactnt 318

<210> 445
 <211> 418
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

<400> 445
 ccagttcaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
 cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
 aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt 180
 tgaatccat ttctgtcact agcctggctg gcaaatgttt ctttcttcct ccttcacagg 240
 ctataagagc aatgagctgg caacgccccct gagcacactg tctgctgntt aaccaatggc 300
 atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc 360
 aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga 418

<210> 446
 <211> 361
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(361)
 <223> n = A,T,C or G

<400> 446
 ctgtccaatn acaacaggac cctcactcta ctgagtgtca caaggaatga tgtaggaccc 60
 tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgaccagc catcctgaat 120
 gtctctctat gccagacga cccacacntt tccccctcat acacctatta ccgtccaggg 180
 gtgaacctca gcntctcctg ncatgcagcc tctaaccacac ctgcacagta tccttggtg 240
 attgatggga acntccagna acacnacaca agagctcttt atctccanct tnactganaa 300
 gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttncgggg 360

c

361

<210> 447
 <211> 321
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(321)
 <223> n = A,T,C or G

<400> 447
 ccagganant ggttccccaa aggggacctc acccgccccg agctctggag ccgctgacgc 60
 tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaag acgtgctgca 120
 ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc 180
 atggcatgac tnaacggctt gnaacaaaca canaaaattac caccacaaac attcaggaac 240
 caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng 300
 ngtgngtttt caaatcatgt t 321

<210> 448
 <211> 325
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(325)
 <223> n = A,T,C or G

<400> 448
 ccagcttcaa ctttttagta tagaagatac aggatcacia aaaggagact acgctttgca 60
 aacatagcat caaaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt 120
 gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgaccttttc 180
 tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc 240
 tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga 300
 nattattatt taatcatacc ctgan 325

<210> 449
 <211> 123
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(123)
 <223> n = A,T,C or G

<400> 449
 cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta 60
 ttacattann attggaagcg atgggtgtga ttacatcagt gatagggcac ggtgtggata 120
 tta 123

<210> 450

T0050" 2054850

<211> 328
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> n = A,T,C or G

<400> 450
 ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct 60
 cttttatatt gctttaaatt tttaaagaaa ttatattgca tggatgtggg tatttgtgca 120
 tattttttta caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa 180
 attagatttt agctggagct tttgactaat gtaaagtaaa tgccaaacta ccgacttgat 240
 ngggatgttt ttgtaangtt aatttttctaa gactttttca catccaaagt gatgctttgc 300
 tttgggtttt aactgtttca acntnggn 328

<210> 451
 <211> 209
 <212> DNA
 <213> Homo sapien

<400> 451
 ctgccttggt tcaacagaca tgcaaagatc ctaggagaca gtcccatag accttcagac 60
 attaaaaagg gagccgtaca gtttgtttga agcacttcgt cttaccatt tatgcagggg 120
 ccccgaggaa cttacacaca gccagaatga ggttcccaa ggacttacat taattatggc 180
 tcttgcttcc tttcacaaat gagctgagg 209

<210> 452
 <211> 457
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 452
 ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct 60
 agcaaaatca agttcttttt gaaattttat cagtaatcca gaatttagta gtccatgcct 120
 tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcattgata 180
 tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat 240
 ctactttgta tacattctaa ttatattatt tttctatgta ttttaaagn atatggctgt 300
 ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt 360
 gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttgag ttgtgnactc 420
 caaagctaag gacagtgatg aggaagatgg catgtgg 457

<210> 453
 <211> 277
 <212> DNA
 <213> Homo sapien

<400> 453


```

aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120
tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta 180
atactgttta tttagaacaat aatatattgt gctaacgttc aggcaccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc 300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatntgaat cctgcaatac 360
atnttgctt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcggggccg 420
gataga 426

```

```

<210> 460
<211> 348
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

```

```

<400> 460
ccaaatttta aaatgttatt tttcatatca tttataacct tgtcacaatc cacttaaaga 60
agtttggtta tatttctactg aaaattttct tccagagtag gttttttttc gtgggttggg 120
gggtaacttt actacaatta gtaagtntgg tgcagaattt catgcaaag aggagtgcag 180
cagngtgata atttaaacat atntaaacaa aaacaaaaaa aatgaatgca caaacttgct 240
gctgcttaga tctactgcagc ttctaggacc cggtttcttt tactgatnta aancaaaaa 300
aaaaaaanta annacnttgt gcctgaaatg aancttgttt tttntna 348

```

```

<210> 461
<211> 378
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(378)
<223> n = A,T,C or G

```

```

<400> 461
ccactaagac agaacggaat ctagtagaag tgcaccaatg cttcagtcct tctactcag 60
catggtgagc agtgggtcaat ctgtgccctg tggaaatgat ggcagataat tctggcatgt 120
gtaaaataata ataaataatt cacttgggtgc aggcagtatg tctatgaatt aaaacctagt 180
gtgtacacag tgcctacatg.tggttacagcc ccacagtagg aatctacacc aaaatattta 240
ttagaaggaa tttgggtcgt actacatcac gctttccgga gggtaaaaaa taaagtccat 300
ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta 360
taacaaaagn ggatggct 378

```

```

<210> 462
<211> 197
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(197)
<223> n = A,T,C or G

```


<400> 462
 gcgaggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt 60
 catttggagt gngcagcaca nttacttcat gttgctcang tttanaacaa tntcccctgn 120
 aagttctcac acagatnggn agaaatcata cctantttng gtnaatcact atggcagccg 180
 tngaagaatn taagaga 197

<210> 463
 <211> 279
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(279)
 <223> n = A,T,C or G

<400> 463
 cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact 60
 tgcacatata catgttcaca gcatgtatac aatgataatc cctacggttt aaccaagtta 120
 tggttccctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga 180
 ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc 240
 ttctgnactt tgggaatgca tnnaggnaac aatatcttg 279

<210> 464
 <211> 552
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(552)
 <223> n = A,T,C or G

<400> 464
 gatgggttga taggtgcagc aaaccacccct ggcgcatgtt taccaatgta acaaacctgc 60
 acatcctgca caggtactcc aaaactaaaa gtaaaaaaat ctaaaagaaa aaagaaaaag 120
 aattaaacc aaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt 180
 tgagctgatg ctatagtggg ttgaaaattt tggggtcctc agaaggggat gaggatata 240
 tgcagagag agcaacatga atcatngaga gccagagtat agagagnggt gggtagactg 300
 taggagagcc ctcaatgatc ccggctgtct tgtattcgcg ttgcacttac ttgtataata 360
 tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat 420
 cagaggggtt tcttctctgt ctanctctct tttgggtagn ttcatcttga gagaaagcca 480
 nacctcngcc gcnaccacg ctaaggggag anttccagcn cactggcgcc cngttactag 540
 tggatccgng ct 552

<210> 465
 <211> 444
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(444)

gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg

224

<210> 469

<211> 416

<212> DNA

<213> Homo sapien

<400> 469

ctgagttcta	gttcaaaagc	tttatcctta	acttcgcat	gtactatgta	aattctagaa	60
tagaaaagg	aaaggtaaga	ttttggtaac	ctccaaacat	tgaagtagtt	cacagaccca	120
aagtcagtac	aaattagaat	gtccatccat	aataaaagta	tctataaaat	tacacagaca	180
cattctacat	agtatttaac	attagagaag	acaaattaca	cagggactga	aataaaatga	240
aacatctact	ctcccagaca	atggtgaata	tacctaata	acccaagtgc	agtttatttt	300
tgcacattgc	tttagagata	taacttggct	gggcacagtg	gtcacacct	gtaatcccaa	360
cactttggga	gaccaaggcg	gatggatcac	ttgaggtcag	ttcgagacta	gcctgg	416

<210> 470

<211> 376

<212> DNA

<213> Homo sapien

<400> 470

caccttttaa	ctgtatcaca	aagtctgttg	ctgtggttac	agcctttgtt	tccagtgatg	60
ttttgtccat	gctttccccc	aacccttaac	aatggttact	caaaagaatg	aaataatgag	120
tcattcattc	gggaatatgt	taaaatatcc	ctctttatca	ttacatttca	ctgcttagaa	180
actaggctgt	aattcaaggc	aacagttaag	tctgagaact	gttaaaaaaa	tctttgattt	240
tttttcattt	ttaagaaaaa	cctgcctatt	taattgttca	gacttgtaag	aggttcttca	300
attacatcct	ttttggttaa	tgtattattt	ctggaacaag	tagataaaat	tctacgcagt	360
aagcataata	aaaatc					376

<210> 471

<211> 357

<212> DNA

<213> Homo sapien

<400> 471

ggcttcgtat	aatggttctt	ttgtcacccc	tgatcgacga	tttcgctacc	cgtacaacto	60
tgacaaggga	acgaaatgct	tctgtgtatt	cacctagtgg	tctgtggaac	agaagaacaa	120
caactccacc	ggatagtgga	gtactgtttg	aagggttagg	catttcaaca	agacctagag	180
atggtgaaat	tcctcagttt	atgagacaga	ttgcagtaag	gaggccaact	acggcagatg	240
aaagatcttt	gcggaaaatt	caagaacaag	atattattaa	ttttagacga	actctttacc	300
gtgctggtgc	tcgagttaga	aatattgaag	atggtggccg	ctacagggat	atttcag	357

<210> 472

<211> 557

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(557)

<223> n = A,T,C or G

<400> 472

```

cngagatgac atttacaatc tcttgaaang cagcagatgg cactctgggtg cttcctatga      60
agcaacatgc ttgaaatcaa gggccaacaa ttgtttagtg aaagcaaaat atacctctaa      120
cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc      180
tcatccocaa agaagcctat tacggtagtg tgnrtggatgc tttttgtatc tctgataggc      240
aggcactata atggggggaa atactttctga ataaaaacat tggctgtcct gcaactgtgc      300
atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa      360
ggaagtgtgc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta      420
aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa      480
ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata      540
ccaattggta tgtccag                                     557

```

```

<210> 473
<211> 264
<212> DNA
<213> Homo sapien

```

```

<400> 473
cctccatcaa cagaaaggat aaagaccctc tcgggtctcc tcattaattc tgaactggaa      60
aagccccaga aagtccggaa agacaaggaa ggaacacctc caottacaaa agaagataag      120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa      180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaag      240
aaaattgaaa aagaagcagc tcag                                     264

```

```

<210> 474
<211> 165
<212> DNA
<213> Homo sapien

```

```

<400> 474
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc      60
ctttacatca tacttggaac tatcaagcat tgggtgcacga tgtaactggat ttccatttaa      120
acagggttaa tttggaagaa tcttcaggag tggaaaaactc tccag                                     165

```

```

<210> 475
<211> 417
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(417)
<223> n = A,T,C or G

```

```

<400> 475
aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaac      60
agaatatcta cagagatcat tttctgaatt ttttgtacat ccaaggataa caacataaaa      120
aaaataaaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa      180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg      240
tgttgccgct tcattaagtg gttcaaaatc cagatctata attgcgcaat attcaccgta      300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt ctttttattt      360
ctttatatgn gnatatagtg aatttttatt atttttaaaa ttttatttat tttttta      417

```

```

<210> 476
<211> 321

```

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A,T,C or G

<400> 476

catttaataa	caaaaacaac	ctgtacggaa	aaccnaagg	caaccacata	gcataatgtaa	60
aatgtgcaaa	tacactttta	aatgcangtt	attctatagc	anttgcaga	tagaatttca	120
ctgtaattag	ggaatctagc	tcatcctaac	ttaatagnct	tttgcatgtn	tagacaatgc	180
aattctacaa	ggnacnactc	agcgttgatg	ctaaagtatg	aaacacatcc	tcagattatt	240
catccgaaaa	tattaaaata	gcntcatggt	ttattattct	ttaatgagtc	ntgagctcat	300
ttctaaaagct	tcataaagca	t				321

<210> 477
<211> 546
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(546)
<223> n = A,T,C or G

<400> 477

gctgtggtta	tattgtaaat	gaagcatcta	acatgtgcac	aacttgcaac	aaaaactcct	60
tggactttta	atctgtcttt	ctcagtttcc	atgtgctgat	tgatctgact	gatcacacag	120
gcaccottca	ttcctgtagt	ctcacaggaa	gtgttgctga	ggagactttg	ggctgcacgg	180
tacatgagtt	tcttgcaatg	acaaatgaac	agaaaacagc	attaaagtgg	caattcctct	240
tggaaagaag	caaaatttat	ttaaaattcg	ttctatcaca	cagagcaagg	agtggattga	300
aaattagtgt	actctcgtgc	aagcttgcag	atcctactga	ggcaagcaga	aacttgtctg	360
gacaaagaca	tgttttaaac	ggtctatcat	tttgaactct	ggaaaagtat	aagagtttta	420
actcccttta	aaatggaata	ttaatttgaa	aattatgggg	aaaattgcat	tttgtttaca	480
tgtggtgaac	atgtttctag	aaattgggat	ggcgggaagg	gggctgggtg	agtctgaagg	540
acctcn						546

<210> 478
<211> 100
<212> DNA
<213> Homo sapien

<400> 478

aagaaaagtg	gtaaaatcaa	gtcttcttac	aagagggagt	gtataaacct	tggttgatgat	60
gttgactttg	attttgctgg	acctgcaatc	catggttcag			100

<210> 479
<211> 508
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature

<222> (1)...(508)
 <223> n = A,T,C or G

<400> 479
 gnnttccaaa ttcttctaac tttccaaaa gccttctgcc ttagtTTTTT tttaaattaca 60
 ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa cttcccttc tagcttcaag 120
 tattcttcta aattggctct ggtctacgta aacacctca tcttctcaag ctttaccttc 180
 taacttctgc accaccagaa attaaattga tgggctttta aaataaattg gttaccaata 240
 atttcctcat tttttcagtg ctattttatc caatttttgg ctttatattt ttctatcttc 300
 tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa 360
 tatcttctaa tttccctatc ttctctatct ttttcttcgc cttcccgta cttctgcttc 420
 agntttccac ttcaaaactc tatcttctcc aaattgttca tcctaccact cccaataatc 480
 tttccatttt cgtgtagcac ctggnacg 508

<210> 480
 <211> 81
 <212> DNA
 <213> Homo sapien

<400> 480
 ggtgcccttt tcctaact cacaacaaaa ctaactaata ctaacatctc agacgctcag 60
 gaaatagata aggaaaatga c 81

<210> 481
 <211> 306
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(306)
 <223> n = A,T,C or G

<400> 481
 tcgccttcgg ccgcgggca ggtaggggn acaagacgct acttccccta tcatagaaga 60
 gcttatcacc tttcatgatc acgcctcat agtcattttc cttatctgct tcctagtctt 120
 gtatgccctt ttcctaacac tcacaacaaa actaactaat actaacatct cagacgctca 180
 gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtctctca tcgccctccc 240
 atccctacgc atcctttaca taacagacga ggtcaacgat ccctccctta ccatcaaate 300
 aattgg 306

<210> 482
 <211> 582
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(582)
 <223> n = A,T,C or G

<400> 482
 ggggggaaca gtcattatac attatttaga ctcatctctt cttccagtgc ctttatgatt 60
 atttcctacc ttaccattg atcttaaaact gngcaggcta aaaagaggaa ccagaactcc 120

```

cttaagcact tttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg 180
cttaagggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat 240
ttctatccaa gagaccttaa tntagcctat tagggaatta tcttcccaa aagtacaagt 300
aatTTtgac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc 360
tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt 420
aatggtgaac tcttacaaca gccttgaaaa nnattggaan tngacntga ngngngaaac 480
tggaanaaag aatatctttc tcttctgcat cctttnatcc tcaaacttag catggattca 540
cacgtgagg aaangttngg tnacnaccng aacatttaga ta 582

```

```

<210> 483
<211> 275
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

```

```

<400> 483
gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat 60
gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta 120
tcagtcataa cacaatttcg cgtacacctc tgctcattat ggaattacac ttaaaacgaa 180
tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga 240
agattgccag ngttactgat ggaaagaagc gcttg 275

```

```

<210> 484
<211> 434
<212> DNA
<213> Homo sapien

```

```

<400> 484
catatttcca caggccaatt tctttctggt tttctgctaa gctatttcag catttttagct 60
tttctctttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag 120
atcctcacia attaatggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa 180
agctttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag 240
accaaattct gaataaaact ccattcacaa ttgctacaaa gggaataaaa tagctgggaa 300
tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga 360
aataagagag gatacaaaac aatggaaaaa cattccatgc tcatgaatag gaagaatcaa 420
tatcgtgaaa atgg 434

```

```

<210> 485
<211> 291
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(291)
<223> n = A,T,C or G

```

```

<400> 485
ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta 60
taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat 120

```

acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag 180
aaaggagtac ctggcatgag tacctgctta gtttgactga atccttgatt ttttaatttg 240
cttttcattg ggcgtcaca acaccaacgc tgtgtgaggt atggtagtca g 291

<210> 486
<211> 274
<212> DNA
<213> Homo sapien

<400> 486
ctgtaaatatt gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca 60
gcacgctcag agacagtga ctagcatttg aatacacaag tccaagtcta ctgtgttgct 120
aggggtgcag aacccgcttc tttgtatgag agaggtcaaa gggttggttt cctgggagaa 180
attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt 240
ctgtaactag ttgctctcat ttttaatttca ctgg 274

<210> 487
<211> 184
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(184)
<223> n = A,T,C or G

<400> 487
tggcaccaag attctcagct cacggtagca gcatctgatt gtcggactac ctgctgcttt 60
ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc 120
tagagaagga gngaagnttt taaaaaaata aaaaaatact tatttcaagc tttagctgtg 180
ttct 184

<210> 488
<211> 393
<212> DNA
<213> Homo sapien

<400> 488
ctgcattttt attgcgatct gcagatgaac tggaaaatct cattttacaa cagaactggg 60
acagacgacc accatattca ctgaggctta aatttgagcgt ttccactaat gacattttga 120
tttcccaaca gagatacttc tggcttact gcacagctct ttaagagaaa tacttccatt 180
atgccacatt gtccttgatc cgtaagtgat gtgttaagggt gottcaaagg aactctgacc 240
tctgaagtac ttgagctact ttagtatgtc cagcctattg ctttttggtt tagtgtgtca 300
ccataaatat caggggcata aaaggctatc tattottaat tcaaggataa aacagaagaa 360
gcttggtgga taaaacaata gttcaagatc cag 393

<210> 489
<211> 607
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(607)

<223> n = A,T,C or G

<400> 489

```
gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat    60
gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catgggtgat    120
atatgccaca ttttcttaat ccagtcctatc atcgatggat atttgggttg gttccaagtc    180
tttgctattg tgaatagtg cgcaatgaac atacatgtgc atgtgtcttt atagcagcat    240
gatttataat cctttgggta tatacccagn aatgggatag ctgggtcaaa tggatattct    300
agttctagat ccttggtgaa ttgccacact gtcttcacac atggttgaac tagtttacag    360
tcccaccaac agtgtaaaag tggtcctatt tctccacatc atctccagca cctgttggtt    420
cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg    480
atttgcattt ccctgatggc cagtgatgat gaacnttttt tcatgtggtt tttggctgca    540
taaatggcct gccttttnta cttctataaa atttttcann tcttattatt attcctgggg    600
gnttaag                                         607
```

<210> 490

<211> 179

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(179)

<223> n = A,T,C or G

<400> 490

```
cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga    60
ataatactat cactgntcat tatagctact cccataaccc tnaacaccca ctccctctta    120
gccaatattg ngcctattgc catactagtc tttgcgcct gcgaagcanc ggtaggacc    179
```

<210> 491

<211> 399

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

<400> 491

```
cctctacctg taatcacatt aatttttcta aagacagggg nggtgttttg aagataaatg    60
tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt    120
tctcttttta gcatatagcc atcttgatat ttagngggga gactactcca atggagcaac    180
agtttcattt tacatgattg gatttagaaa ttacaaatt ttaaactcat aagaattcta    240
aataatttga aaatggaac atttgacca cagtctagca gcataaatac atttataaaa    300
tacttcattg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt    360
ggagggggcc ngtgaggaag gtataaaaaga gaaatcttt                                         399
```

<210> 492

<211> 482

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 492
 ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tataggcgat 60
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
 caagcataat atagcaagga ctaaccctta taccttctgc ataatgaatt aactagaaat 180
 aactttgcaa ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
 ctaaaagagc acaccogtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
 aaacctaccg agcctggtga tagctggttg tccaagatag aatcttagtt caactttaaa 360
 ttgcccaca gaaccctcta aatccctctg taaatttaac tgttagtcca aagaggaaca 420
 gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480
 gg 482

<210> 493
 <211> 207
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(207)
 <223> n = A,T,C or G

<400> 493
 cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
 tctcataacc ctcaacacc actccctctt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 494
 <211> 283
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(283)
 <223> n = A,T,C or G

<400> 494
 ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtag cta 283

<210> 495
 <211> 590
 <212> DNA
 <213> Homo sapien

<400> 495

<210> 496

<212> DNA

<213> Homo sapien

 $\langle 220 \rangle$

<221> misc feature

$\langle 222 \rangle$ (1) ... (307)

<223> n = A, T, C or G

<400> 496

<210> 497

<211> 216

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (216)$

<223> n = A, T, C or G

<400> 497

<210> 498

<211> 375

<212> DNA

<223> n = A, T, C or G

gaatttcctg	gcaccttttc	tgcgtagaga	agattnngtg	tgactggggtt	gcctataagc	60
catatagata	caaactttta	tctctaatac	caagtcttag	agggatatat	taatagatct	120
aataaaattha	ttcttagact	tattgtttca	tgggntagt	agtctttgct	actggagaca	180
atacagactt	gtcagttttt	ttaaaaaaa	aaaatttgcc	aagctancac	attaaaaana	240
tntcctaagg	ctntcatttt	atgaggatga	ttataaacnt	ttntgngata	aatatcacca	300
taataaactg	ttaagtacaa	ctgcnggccc	cccttanagn	gaattcctnc	agttanaaat	360
ttattttttt	gccaa					375

<213> Homo sapien

<223> n = A, T, C or G

ccacnaaaagc	agaagcttaa	agcatagtag	taaagaggnn	aaaaagaagc	acgaaaataa	60
atcatgatgc	aaggatggta	aagaagttga	cagtagtcat	gaaaaggcca	gaggtaatag	120
ttcactcatg	gaaaagaaat	taagtagaag	gttgtagcaa	aatcggagag	gaagcttgtc	180
acaaaaaaaa	aaaaaaaaaa	aaaaaaaaat	gtttt			215

<213> Homo sapien

<223> n = A, T, C or G

ccactacgat	aagcaggtag	ctgggttttg	tagtgagntt	gctccttaag	ttacaggaac	60
tctccttata	atagacactt	catttttcta	gtccatccct	catgaaaaat	gactgaccac	120
tgctgggcag	caggagggat	gatgaccaac	taattcccaa	accccagtct	cattggtagc	180
agccttgggg	aaccacctac	acttgagcca	caattggttt	tgaagtgcac	ttacaaggnt	240
tgtctacttt	cagttcttta	ctttttacat	gctgacacat	acatacactg	cctaaataga	300
tctctttcag	aaacaatcct	cagataacgc	atagcaaaat	ggagatggag	acatgatttc	360
tcatgcaaca	gcttctctaa	ttataacctt	gaaatgttct	cctttttatc	atcaaattctg	420
ctcaagaagg	gctttttata	gtagaataat	atcagtggat	gaaaacagct	taacatttta	480
ccatgctta						489

<210> 501

<211> 286
 <212> DNA
 <213> Homo sapien

<400> 501
 aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaagactc ttataaaagt 60
 aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt cccagggaa 120
 tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct 180
 gttgcaagcc tcacctggtg cacagtaggc tcttcaggt ctgtcaggaa cccaggagcc 240
 tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg 286

<210> 502
 <211> 168
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(168)
 <223> n = A,T,C or G

<400> 502
 cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga 60
 gtttggtata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
 ttaatatatt tagttgggtg atgaggaata gtgtaaggag tatggggg 168

<210> 503
 <211> 173
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(173)
 <223> n = A,T,C or G

<400> 503
 cctttataat aaattaggca aaaggttcag tgcnnnggcta tantggacaa catgaaactc 60
 cataaaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga 120
 attcaaagaa attccaacca cgcttatttt tocaaattct actgaaatga gag 173

<210> 504
 <211> 310
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(310)
 <223> n = A,T,C or G

<400> 504
 tagtattcta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt 60
 ttaaaaatgta agttaatacc tcctctcac ttgtcttaat tgaacttagg tgtttattct 120

```

taaaggngga ccttgatgaa aatgttgaga tgggaagtgt tattaggcaa aacttgttat 180
agattttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat 240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt 300
tcccattaa 310

```

```

<210> 505
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

```

```

<400> 505
cctcagggaa cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tcttcacaag 60
gcatcaggag agagagagaa agagagtagg ggaaactacc ccttttaaac catcatatcc 120
tgtgagaact ccctcagtat tagaagagca tgagggaaac cgcctccata atccaatcac 180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg 240
ggatacagat ttaaaccata tcagaatggg taatgatatt gttgtatttt accaactata 300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttggt ttctatatta 360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa 420
ctctgctgtt ttggtcactg gtgcctagaa tttggggatg tacattgggt ttgattcaca 480
tgcacatttc cttctagttc acagtaacta tttctaacta tttcccnata 530

```

```

<210> 506
<211> 352
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

```

```

<400> 506
cttgaacgct ttcttaattg gtggctgctt ttaggcggta ctatgggtgn taaatTTTTT 60
actctctcta caaggTTTTT tctagtgtc caaagagctg ttctcttttg gactaacagt 120
taaatttaca aggggattta gagggttctg tgggcaaatt taaagttgaa ctaanattct 180
atcttggaac accagctatc accaggctcg gtaggtttgt cgcctctacc tataaatctt 240
cccactatTT tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg 300
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt 352

```

```

<210> 507
<211> 370
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(370)
<223> n = A,T,C or G

```

```
<210> 508
<211> 129
<212> DNA
<213> Homo sapien
```

```

<400> 508
ctgttaaaag aacaaactta gcaatatata acagttnggt aacaggattt ttgactattc      60
actttgggag ttattttttaa aaatccactt ttttactgag tcttactaca taccaggcac      120
tgtacttgg                                     129

```

```
<210> 509
<211> 422
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(422)  
<223> n = A,T,C or G
```

```
<210> 510
<211> 238
<212> DNA
<213> Homo sapien
```

<400> 510						
ccacctatga	attggtggtt	tacctactca	atggatagca	gcacgaggac	tgctgtactg	60
cacaaaaaga	agaccaaag	attacagtgg	accatgggat	acagaagcca	gcattggcaga	120
cagaagaaaa	atagtttggg	aacatgtaac	tatcctaagt	ggaagttttg	ttgtaggaat	180
tatagtaatc	acaccacatt	acttggcctt	tcqgtaatgt	gaaaaaaaaa	aaaaatcc	238

<210> 511
 <211> 254
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(254)
 <223> n = A,T,C or G

<400> 511
 ccnattgatt tgatggtaag ggagggatcg ttgnggctcg tctgttatgt aaaggatgcg 60
 tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc 120
 tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtaagng ttaggaaaag 180
 ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaagg 240
 tgataagctc ttct 254

<210> 512
 <211> 269
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(269)
 <223> n = A,T,C or G

<400> 512
 cctacctgta aactacagta ctttatatat ctatgggntt aataaaaaana aaatccacaa 60
 atcttaaaaa ggaacttta atgcagggct atattgaatt ggnaaactgc aacacaaact 120
 ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc 180
 ccactaattt aaattacttt caaccactat gagccagaat gcattgcctga accttaaaact 240
 gcactttaaa aagtaacatc ttggcctaa 269

<210> 513
 <211> 266
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 513
 ggaggggggt tgttaggggg tcggaggaga aggntgggga acagctaaat aggttgttgt 60
 tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttgtgt 120
 tgattcaa atgtgnttt ttggagagnc atgncantgg tagtaatata attgttgaga 180
 cgattagttt tagcattgga gtaggttttag gttatgnacc gtactctagg ccatatgtgt 240
 tgganattga nactagtagg gctagg 266

<210> 514
 <211> 271

<400> 517
 tgcgatttct tccttggtgt ttgctttggt ctgtgttcaa tccagagagc ttaaattgtc 60
 attatttttg gaagaaaacc tgtatttttg ttagtttaca atattatgaa atttcacttc 120
 aggagaaact gctgggcttc ctgtggcttt gttttcttag tttctttttc cgtgccgtgt 180
 attttttaat tgatttttct tcttttactt gaaaagaaag tgttttattt tcaaactctgg 240
 tccatattta cattctagtt cagagccaag ccttaaaactg tacagaattt ccactg 296

<210> 518
 <211> 299
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

<400> 518
 gaagatagaa aaatataaag ccaaaaattg gataanatag cactgaaaaa atgaggaaat 60
 tattggtaac caatttatit taaaagcccg tcaatttaat ttctggtggt gcagaagtta 120
 gaaggtaaag cttgagaaga tgagggtggt tacgttagacc agaaccaatt tagaagaata 180
 cttgaagcta gaaggggaag ttggttataa atcacatcaa aaagctacta aaaggactgg 240
 tgtaatttaa aaaaaactaa ggcagaaggc ttttggaaga gttagaagaa tttggaagg 299

<210> 519
 <211> 464
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(464)
 <223> n = A,T,C or G

<400> 519
 gctgcacatc ggaggaaaac tcggtaaagc agaatgaggt tgatatgttg aatgtatttg 60
 attttgaaaa ggctgggaat tcagaaccaa atgaattaaa aaatgaaagt gaagtaacaa 120
 ttcagcagga acgtcaacaa taccaaaagg ctttggtatg gttattgtcg gcaccaaagg 180
 atgagaacga gatattccct tcaccaactg aatttttcat gcctatttat aaatcaaagc 240
 attcagaagg ggttataatt caacaggtga atgatgaaac aaatcttgaa acttcaactt 300
 tggatgaaaa tcatccaggt atttcataca gtttaacaga tcgggaaact tctgtgaatg 360
 tcattgaagg tgatagtgac cctgaaaagg ttgagatttc aaatggatta tgtggtctta 420
 acacatcacc ctcccaatct gtccagttct ccagngtcaa aggc 464

<210> 520
 <211> 221
 <212> DNA
 <213> Homo sapien

<400> 520
 ctgatattcta cttattttaac acaagtctct aatacaatac aattttatta attttattcc 60
 acatgccccca cattagatct ctagactcat tcatcctaca tacctacttt gtatcctttg 120
 acctacatct ccctacttcc tctccagtc cccaccccc acccactggt gctaaccact 180
 gtttcattcc ctttttcatt ctacatatgt gagatcatgc t 221

<210> 521
 <211> 312
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(312)
 <223> n = A,T,C or G

<400> 521
 ctgatagctt tctcttcgcc tagattaata tcttctnnet tcccattcac agccccacc 60
 gacatcaaag ctttgctgtt ttatctgtca aaaatgtctt cacacttttc attcttaaatt 120
 aaaagtgtcg agtaaggaca ttttcacaac aaatttttat ttacaaaac ttacaatgat 180
 ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatataatt tattaggngt 240
 gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg 300
 aggggggaag ga 312

<210> 522
 <211> 336
 <212> DNA
 <213> Homo sapien

<400> 522
 ccttctttcc ccaactcaatt cttcctgccc tgttattaat taagatatct tcagcttgta 60
 gtcagacca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga 120
 ctatgataac aatgaatgtg ggtaagtaa tagatttcca gctaaattgg tctaaaaaag 180
 aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt 240
 ctgatccagg gagatcaccc ctctaattat ttctgaactt ggttaataaa agtttataag 300
 atttttatga agcagccact gtatgatatt tttaag 336

<210> 523
 <211> 172
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(172)
 <223> n = A,T,C or G

<400> 523
 ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn 60
 gacannattc ttgctctcac atnccacngg anacgtatct ctcttctctt acnagcgaag 120
 aaccatctnt ttctaaagcc cccattctat tgcccttget tttctctggc tt 172

<210> 524
 <211> 471
 <212> DNA
 <213> Homo sapien

<400> 524
 ccagacctgc agaaaaactt agcacagctc aatctgctgt tttgatggct acagggttta 60

```

tttgggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt 120
tctttgtggg ggcagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac 180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac 240
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtgtt 300
tagaaggcac tgtaactggg agctagttct tgattcaata agaaaaatgc agcaaacttt 360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc 420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c 471

```

```

<210> 525
<211> 332
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 525
ccccnctgta ttccagcctg ggtgacccca tctcanggae gaaaagttac cagatgtcgn 60
gggtaaagggt tggctcttcaa gtggcctcat aagttgtctt gcattttaat tcagggaatt 120
cattggacca ataggttaca ttttcgttcc tttttgtttt tggttcatct gttaagcagt 180
ggggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
ttcaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgcccaaaaa gggcttaaca 300
atttaggcgg atagtttact taaaaaaaaa aa 332

```

```

<210> 526
<211> 440
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 526
ccagggttacc tcccctaaca gatgtggtgt tctganggggt tggttaagtg cccgaggaaa 60
ataggcctta actgttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa 120
gaagggtattg ggtaaaagaa aatgggagag aaaagggaaa aaagtttttg caagacaatt 180
gttccctgct aagaagctgc agggtgaaag ctttcctttc ttctattttt gtttttaatt 240
nctgtctctc tgatcagngg aaaagtgaag atttctagta tctagcacta acgtatgacc 300
caactttgag ggatcacaaag ctagaacaag ttgaggattt aaaatcctgg ataattatat 360
acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcagggtg 420
catggcatgg gaatacatct

```

```

<210> 527
<211> 124
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(124)

```

<223> n = A,T,C or G

<400> 527

tttccatattg	tctgttgggt	gcataaatgn	cttcttctga	gaagtgtctg	ttcctatcct	60
ttgccccctt	tttgaggact	taaattgttag	acctaagacc	ataaaaaccc	tagaagaaaa	120
ccta						124

<210> 528

<211> 162

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(162)

<223> n = A,T,C or G

<400> 528

ctgcgggaga	aatatgggga	caagatgttg	cgcangcaga	aaggtgaccc	acaagtctat	60
gaagaacttt	tcagttactc	ctgccccaa	ttcctgtcgc	ctgtagtgcc	caactatgat	120
aatgtgcacc	ccaactacca	caaagagccc	ttcctgcagc	ag		162

<210> 529

<211> 409

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(409)

<223> n = A,T,C or G

<400> 529

cctttaaaat	atagcttata	aaatgtatac	tatnngccag	gagagctcac	atttttctgc	60
agttttccag	tggacctgcc	tatggaatac	tgtaaagaaa	aatctgcaaa	aatattccta	120
gcaattgaat	cagtgtcttt	aaataaaaaga	agtggagagg	ggcttggtta	aattattctg	180
acaagttttc	ttgctagtgg	ttgccaaaat	taaggatatt	tgaagtgtcc	tatcacccaa	240
atttggtttt	aagaaaaagc	tatattctgn	gtctataggg	tgaagcccac	actatctgtg	300
ctgcattctc	aatgatacaa	tacctatctg	gaaactttcc	tgttttgcca	atgggtgcac	360
aatctaaaa	cattttatca	caaaaggtac	ttgaatttaa	atttctttt		409

<210> 530

<211> 325

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(325)

<223> n = A,T,C or G

<400> 530

ccgccagtgt	gatggatata	tcgagaattc	gccctttcna	gatttgngcc	cgggcaggtc	60
catggctagg	attatagata	gttgggtggt	tggggnaaat	gagtgaggca	ggagtccgag	120

gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc 180
 tttagtgttg tgtatggcta tcatttgttt tgagggttagt ttgattagtc attgttggtt 240
 ggtaattagt cggntgttga tganatattt ggagggtgggg atcaatagag ggggaaatag 300
 aatgatcagt actgcggcgg gtagg 325

<210> 531
 <211> 173
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(173)
 <223> n = A,T,C or G

<400> 531
 ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag 173

<210> 532
 <211> 395
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(395)
 <223> n = A,T,C or G

<400> 532
 caggctctac tatgggtggt aaatttttta ctctctctac nggggtttttt cctagtgtcc 60
 aaagagctgt tcctcttttg actaacagtt aaatttacaa ggggatttag agggttctgt 120
 gggcaaattt aaagtgaac taagattcta tcttggaaca ccagctatca ccaggctcgg 180
 taggtttgtc gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct 240
 ctttttagctg ttcttaggta gctcgtctgg ttctgggggt cttagctttg gctctccttg 300
 caaagttatt tctagttaat tcattatgca naaggatag gggntagtcc ttgctatatt 360
 atgcttggnt ataatttttc atctttccct tgcgg 395

<210> 533
 <211> 290
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(290)
 <223> n = A,T,C or G

<400> 533
 ctgaaccatt atgggataaa ctgggtgcaaa ttctttgcct tctctacttc tcaactgattg 60
 aacataagct tccagggtc cctgaaaac caaaatgaaa acaatgtcaa aatattagat 120
 aaatcacata aaacagttta ggggatacca atatataaaa attattaggt aagctcattt 180
 ctggaactgt taatgctcgg ttccacaatc caagnngacc aacagccttc actcagntac 240

tggnagtgnt actatggtta ctacngntac tacctttagt gtnaaaaact

290

<210> 534
 <211> 334
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(334)
 <223> n = A,T,C or G

<400> 534
 ccgccagtgt gatggatatt tgcagaattc gcccttagcg agnnagccgg gcaggtccat 60
 ggctagggttt atagatagtt ggggtggttg tggggnatga gtgaggcagg agtccgagga 120
 gggtanttttg tggcaataaa aatgattaag gatactagta taagagatca gggtcgctct 180
 ttagtggttc gtatggctat catttggttt gagggtagnt tgattagnca ttgttgggng 240
 gtaattantc ggctgttgat ganatatatt gaggtgggga tcaatanagg gggaaatana 300
 atgatcagtn ctgcggcngg tnnagacctn gccc 334

<210> 535
 <211> 557
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(557)
 <223> n = A,T,C or G

<400> 535
 nccataagct tcagtgcgca aaagggtcaag gccagtgtta atttggttatt tcttaaataa 60
 ctttcccttt catttttaaa ttataaattt aacttctaac atgttttatg gttaaaattg 120
 tacttttttc ctttagcgac attcaaattg atcacaatca ctttgtgaaa ttgttcgcct 180
 gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcttgccac 240
 tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat 300
 gtgttaccat tgtgagtggg ttgtaagtgt tccttatgtg ggaatcatgt gccttgaaaa 360
 taaccttggg tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtgtt 420
 ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg 480
 gtaaaaaatgg gaaattctgt agaagccctt ccttaaaaat gggggaagtc catttnanaa 540
 aattaactgg taggtca 557

<210> 536
 <211> 372
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 536
 gttccaacct tcatttctga aactgttcta gagcacngtg tttttctcgt agttcataac 60

03494850

```
<210> 537
<211> 284
<212> DNA
<213> Homo sapien
```

```
<210> 538
<211> 293
<212> DNA
<213> Homo sapien
```

```
<210> 539
<211> 468
<212> DNA
<213> Homo sapien
```

<400> 539						
tttcnataaa	ctttatTTTT	agagcagttt	taagnnnggta	gcaaaattga	ttagaaggna	60
cagagatgtc	ccatacacct	cctactccca	cacatgcaca	gccttcccca	ttatcaatag	120
cccccaacag	agggatacat	ttgttaacaa	ctgacgaacc	tacatatcat	tatcacccaa	180
agtccacagt	ttatattatt	ccttctggag	aattttcaaa	tacagaaatt	cctctaccag	240
gaataaacta	ncaatttccct	ctcggtcttc	tataaattta	attattattt	cagaaattag	300
cctgatactta	caggagaaaa	tgtttataaac	catgaaaaga	cctatcaata	cacaaggaag	360
tgaatqntat	ataaaaaaatg	taccatctcc	taaacacacta	cctgcattcc	cttcttqtta	420

gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc

468

<210> 540

<211> 397

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(397)

<223> n = A,T,C or G

<400> 540

ctgttttatt	aattccccca	tttgcagcac	acttntctct	tccaacattc	atcagtcaga	60
tcagagtcca	cggctctttc	aaaatttaga	taaactggct	tacattttgt	aatgatgtcc	120
ccagacaaca	cccactcca	accattctg	tttgttacta	ttagtttaca	acatgcatgt	180
gcctttactt	tcattttcat	agtatttaaa	aatggaaggg	cactcccaaa	tttactttaa	240
cccccttaat	aatctctctc	ctcctgctct	ctctggctct	ccagacaact	gttgatttac	300
tttcctttat	gatggattag	tttgcatttt	ctagaatttt	atatgactga	catataaagn	360
ttttatgttt	ctcccctttg	ggtttcttca	tgtggca			397

<210> 541

<211> 248

<212> DNA

<213> Homo sapien

<400> 541

cctagatagg	ggattgtgcg	gtgtgtgatg	ctagggtaga	atccgagtat	gttgagaaaa	60
taaaatgtgc	atagtggggg	ttttatttta	agtttggttg	ttaggtagtt	gaggtctagg	120
gctgttagaa	gtcctaggaa	agtgcagcgc	aggcgtgtga	gttttaggtg	gagggggatt	180
gttgtttgga	agggggatgc	gggggaaatg	ttgttagcaa	tgagaaatcc	tgcgaaatagg	240
cttcgggc						248

<210> 542

<211> 366

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(366)

<223> n = A,T,C or G

<400> 542

aatcgccct	ctagatgcat	gctcgagcgc	ccgccagtgt	gatggatata	tgcagaattc	60
gcccttgagc	gatanccgcg	gcaggtccaa	ttgatttgat	ggtaagggag	ggatcgttga	120
ccnctctctg	tatgtaaagg	atgcgtaggg	atgggagggc	gatgaggact	aggatgatgg	180
cgggcaggat	agttcagacg	gtttctattt	cctgagcgtc	tgagatgtta	gtattagtta	240
gttttggtgt	gagtgttagg	aaaagggcat	acaggactag	gaagcagata	aggaaaatga	300
ctatgagggc	gtgatcatga	aaggtgataa	gctcttctat	gataggggaa	gtagcgtctt	360
gtanac						366

<210> 543

<211> 460

<213> Homo sapien

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttctct	tttggactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aatttaaagt	tgaactaaga	ttctatcttg	ggcaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgctct	tacctataaa	tcttcccact	attttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctgggtttcg	ggggctcttag	ctttggctct	ccttgcaaag	300
ttattttctag	ttaattcatt	atgcagaagg	tatagggggt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tcccttgccg	tactatatct	attgogccag	gtttcaattt	420
ctatcgctta	tacttttattt	qggtaaatgq	tttggtctaa			460

<211> 116

<213> Homo sapien

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (116)$

<223> n = A, T, C or G

ccgccagtgt gatggatata tgcagaattc gccctttgga gngctngcgc ccgggcaggt 60
ctgtttcagc agctcctcct tcttcttccc gcgagatct cgagccttga tcttgg 116

<211> 380

<212> DNA

<213> Homo sapien

<221> misc feature

<222> (1) ... (380)

<223> n = A, T, C or G

cgacggatcg	atnagctnga	tatcgaattc	ggacgagcat	ggcgtattgc	tgcagatatg	60
gattcttcag	aatgctccat	gacaaatgta	ctgacgggaa	gncnatctaa	aggaggcatt	120
gtnatgagag	aaaggtctcg	agctccagat	aaagagagat	acagagttct	tggaattgga	180
gttgacagaaa	cagtaagaca	atcgattgtg	gggaagcgtt	cttttagaga	atctttggcc	240
ttcactccaa	agcgtttgtt	ttcatcaata	ataagtagct	cgtgccgaat	tcctgcagcc	300
cggggatcc	actagttcta	gagcggccgc	caccgcggag	gagctccagc	ttttgttccc	360
tttagtgagg	gttaatttcg					380

<211> 418

<212> DNA

<213> Homo sapien

ccagggcaat taggcaggag aaggaaataa agggatttca attaggaaaa gaggaagtca 60
aattgtccct gtttgcggat gacatgattg tataatctaga aaacccatt gtctcagccc 120

```
<210> 547
<211> 172
<212> DNA
<213> Homo sapien
```

```
<210> 548
<211> 367
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G
```

```
<210> 549
<211> 418
<212> DNA
<213> Homo sapien
```

```
<210> 550
<211> 234
<212> DNA
<213> Homo sapien
```

<220>
 <221> misc_feature
 <222> (1)...(234)
 <223> n = A,T,C or G

<400> 550
 cctaccgcgc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
 tctcatcaac aaccgactaa ttaccaccca aacttcacaa caaaactaac taatactaac 120
 atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc 180
 ctcatcgccc tcccatccct acgcatcctt tacataacag acgaggtcaa cgat 234

<210> 551
 <211> 542
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

<400> 551
 caccocctacc ccnntcctca taaaagttnc tctccctgga tcctcttttt ccctcatgag 60
 tgcccgggttg cccaagtcaa aaacctggga gtgatataaa ctcccacac atccagtcag 120
 tcactcatca actctattga ttctgtctgc taaatatatn tcaattgtat taacttaaac 180
 atatgcatan ggcactttct tcttcactgc atttttgtgg gctgcactta ctttccaggt 240
 aacgacaaca ctggcccctc ttgccccttct agtcagaagt gccaaaatga tgagagctag 300
 ccatgacaaa cccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac 360
 agaggaggagg agagaggaat agacaggaag tcaaactgtc tctgtttaca gatgacatgt 420
 ttctatatct ataaagcccc atagtcttgg ccccaaagct ttttctgctg ataaacttta 480
 gcaaagtctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt 540
 ca 542

<210> 552
 <211> 411
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

<400> 552
 cctggntgac aaggaggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg 60
 ggaagggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga 120
 atgaaggcca ttgtggctag aacagagtgg acaggaaggga atggtaccag gcaaagctga 180
 agaagttggc aggattgagc totcataant catggcaaa agttcccat tcatgtttt 240
 acggaaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga 300
 agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag 360
 agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g 411

<210> 553
 <211> 631

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G

<400> 553

ccgggattag	aactaaaaca	agtgagatca	cccctcta	tatttctgaa	cttgggtta	60
aaaagtttat	aagattttta	tgaagcagcc	actgtatgat	attttaagca	aatatgttat	120
ttaaaatatt	gatccttccc	ttggaccacc	ttcatgttag	ttgggtatta	taaataagag	180
atacaacccat	gaatatatta	tgtttatata	aaatcaatct	gaacacaatt	cataaagatt	240
tctcttttat	accttccctc	ctggccccct	ccacctgccc	atagtcacca	aattctgttt	300
taaatcaatg	acctaagatc	aacaatgaag	tattttataa	atgtatttat	gctgctagac	360
tgtgggtcaa	atgtttccat	tttcaaatta	tttanaattc	ttatgagttt	aaaatttgta	420
aattttctaaa	tccaatcatg	taaaatgaaa	ctgttgctcc	attggagtag	tctcccacct	480
aaatatcaag	atggctatat	gctaaaaaga	gaaaatatgg	tcaagtctaa	aatggcta	540
tgtcctatga	tgctattatc	atagactaac	gacntttatc	ttcaaaacac	caaattgtct	600
ttagaaaaat	taatgtgatt	acaggtagag	g			631

<210> 554
<211> 558
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = A,T,C or G

<400> 554

ccaggntagt	ctccaactcc	tgacctagc	tgatccaccc	acctcggcct	cccaaagtgc	60
tgggattaca	ggcatgagcc	actgcgccg	gccaaacttg	atatgcattt	ttaaataagt	120
taatacatta	ttcatggttt	agtctcatta	tatattctat	gggtccactt	gaaatttcat	180
ctaaccaaaa	tcatcttcat	cctgcaattt	gagggttgga	cacaatggg	attgatcagt	240
aattttcttca	tatgcccttt	ctcaaggaaa	tagtttccta	tgaaaaaaaa	gtcctatggt	300
ttcatgtaag	ttctcttttt	ggagaagaaa	aggagacatt	cttacttagc	actctcagtt	360
ttacaaaacg	ctgccaacct	taaaatttgt	ctattgattc	ccaaggcaca	caaccaatag	420
tctgtcaata	accoggaata	acatttcttt	aaggcoccag	taactttcac	atgtttgggt	480
tccaatcctc	acctagaatc	ttgttaagaa	aagtaaacca	ttcactcctc	tagaaactct	540
aaggttgctt	cttagggg					558

<210> 555
<211> 212
<212> DNA
<213> Homo sapien

<400> 555

ccaggatatt	gcataatggc	ttttcttctg	ttgcctttgt	tcctttgtgg	ccccagctaa	60
ttgcctgaga	gtgccactgt	tagttttcaa	ctctttctga	tagaaaccct	gtgtactaac	120
atggaaatct	taggtaatct	gctttttcaa	agcacaatgc	agaatttatt	ggcgggtggtg	180
taactttaag	aatatccgag	aagccaccaa	gg			212

<210> 556
 <211> 219
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(219)
 <223> n = A,T,C or G

<400> 556
 ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat 60
 atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag 120
 agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt 180
 gtatgtcctt gtaaggcttt tttttttttt ttttncct 219

<210> 557
 <211> 482
 <212> DNA
 <213> Homo sapien

<400> 557
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcaatct tcccttgcgg tactatatct attgcgccag gtttcaattt 420
 ccatgccta tactttatct gggtaaattg tttggctaag gttgtctggt agtaagggtg 480
 ag 482

<210> 558
 <211> 679
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(679)
 <223> n = A,T,C or G

<400> 558
 ctgtnaaaat tctgaacctt tccccaaaag aaaaaccgtg aaatacaagt tttaggagggt 60
 ggagcaaaga aaagccaagt tattttaaac caataaacac aagagacaat tctgctggag 120
 aatttacttt ctccaaaaca tcaaatggac tttaaagcag aagaccacat tttatgagaa 180
 agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaata 240
 taaaaagaaa ataacttttc caggaatcct ttggagaggc tgataaccag atattaaatt 300
 atcaattttg ccaaagtgga cttttaaaaa atgtgttact tttaaaaact aacttgaaag 360
 aatttatgag gcaatctatc tgagtatggt tattgttgct ccattggctt tcaggatttt 420
 ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta 480
 ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa 540
 atatcccagg attttgggta ttcatgcctt tcttttgtga ctttcttca aattagccaa 600
 ttaaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc 660

679

```
<210> 559
<211> 488
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G
```

<400> 559						
ccccactgta	ctccagcctg	ggtgacccca	tctcaaagaa	gaaaagttac	cgatgtgcat	60
gggtaaaggt	tggtcttcaa	gtggcctcat	aagttgtctt	gcattttaaat	tcaggggaatt	120
cattggacca	ataggttaca	ttttcgttcc	ttttttgttt	tggttcatct	gttaagcagt	180
gggggcctaa	ttactgctcc	tttgtaaaaa	cacattttcc	caaagaacac	tgaattaccg	240
ttcaaaactgg	ttgttgatgg	gtaacaaggg	ctgtttttgc	tgccccaaaa	gggcttaaca	300
atttaggcgg	atagtttact	taaaaaaaaa	aatcctttgg	agacatactg	aaaaatgcaa	360
ctagtttcta	aattatcaat	tcctacatg	aanaagcagt	ttgccanagt	ttagtctcan	420
aaaatgactg	gttggctcta	tttaaatacan	aaccaaat	ctacgcacct	gccgcgccgg	480
ccaagggc						488

```
<210> 560
<211> 602
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(602)
<223> n = A,T,C or G
```

<400> 560							
cctanttaag	aattccttgc	cttagtggtg	aacaaggact	aaacacagac	aatgggtgaa		60
acacagacgc	taattcacat	aacagagagt	aggcaacctt	aagaatgaat	tgatgcagac		120
tcctatagaa	ttcctctgtt	atgactgggt	tcttattttt	tcctccttgt	atgtagttga		180
aatttcacat	ttatgaatag	ttccttggat	ctttttttaa	agtttctgaat	gcgagtgttt		240
ggctttgtaa	tacaactttt	tagtatocag	aagataacca	gtgctctacc	aataaagatc		300
ttttgataca	aagggtttta	acttctgcc	gttcttactc	atttttttca	ggttttttat		360
acattttctta	aacaacacat	acattatgta	aaatataaga	attaatgtac	attctcaagg		420
ccagattcag	tgacaaaatg	cactaccoga	atctagtaac	acatttactc	cttgctgcat		480
ataagtggcg	tgtaagaaat	acagggtata	ttgttttgtg	atccatgcag	taaagtgtca		540
caaatatcag	gcaaacaact	agacgntcct	cagctactaa	aattaactgt	ccagtcaca		600
aa							602

```
<210> 561
<211> 683
<212> DNA
<213> Homo sapien
```

<400> 561
gtctatTTTT aaaaagaaag aaaaaaacca cttttttata gtcctagct ttgccatatg 60
cccgccttaa gtggaaggaa agttaatcac ttaactatgt ttataaaaaa gaaaaaagg 120

cttgggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc 180
 tttttttaaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct 240
 gggcttgatt ttttttaaaa aaacagaatg aattgatgtc ttattttata aatgttctat 300
 atttattagg agaaaacttt atattgcctt ttttatcaat catgtaacag gcttatagct 360
 ttccaacaga gctgcttgcc aaacaatttt tttgtttat taaacagtgc tgaaacaaac 420
 aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aaccaagata 480
 ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtca tatctttcag 540
 aatcagtga ccgattaccc tttttttggt attcactcta catctgccaa cctagttcac 600
 cttgggtttg tgtctgctgt agaagggaac cataacttgg ttaaaccgta gggattatca 660
 ttgtatacat gctgtgaaca tgt 683

<210> 562

<211> 420

<212> DNA

<213> Homo sapien

<400> 562

gcactttttt tccagtaagg attcatctct tgctctccta tatggtcatt atattttata 60
 ttttacatat ttataaacat gacatatgta tttatgttcc acaaagggct ttgaatagaa 120
 tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa 180
 ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcattgattt 240
 agacagtcta ttaaatgttt aagcaaggca ctagactaag tttattaaga caaattttgg 300
 aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctgggt gaattgggtt 360
 atatagtgga ttcagattga tgtggcagtg gtggttacac taggggcact aaggttatcc 420

<210> 563

<211> 482

<212> DNA

<213> Homo sapien

<400> 563

ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tataggcgat 60
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
 caagcataat atagcaagga ctaaccctta taccttctgc ataataaatt aactagaaat 180
 aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
 ctaaaagagc acaccgctct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
 aaacctaccg ggcttggtga tagctggttg tccaagatag aatcttagtt caactttaac 360
 ttgtcccaca gaacctcta aatcccttg taaatttaac tgttagtcca aagaggaaca 420
 gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480
 gg 482

<210> 564

<211> 302

<212> DNA

<213> Homo sapien

<400> 564

ctggaagtga aggtactaat atacaaatgg ctcttgtttc tgaatatgtg atataatttg 60
 tgaatctttg gaaactgaat tttttctatg gagtgcaaat atagaagggt tattttacia 120
 tgtttgttgt gaaaagaatt cactttgtta acaactatta aggctggaag tttagtgaag 180
 gtgcatagtt ttgaaagcta cacagggtgaa aaatcaaact tattgtttgt aattttgctg 240
 ttacatgtta agttactttg acagcaattt tctaattgata atgtgattta tgatttaaaa 300
 gg 302


```
<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G
```

```
<210> 566
<211> 631
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(631)
<223> n = A,T,C or G
```

```
<210> 567
<211> 510
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(510)
<223> n = A,T,C or G
```

<212> DNA

<213> Homo sapien

<400> 575

```
<210> 576
<211> 134
<212> DNA
<213> Homo sapien
```

<400> 576

```
<210> 577
<211> 133
<212> DNA
<213> Homo sapien
```

<400> 577

```
<210> 578
<211> 200
<212> DNA
<213> Homo sapien
```

<400> 578

cctcaaattct atcttcaag gtgaccagc aatcagtgtc aatgccttta ctgtagttaa 60
cctggtaatt tcattcttta gtctctccaa gaaaatctga agtgtattag gcaagtcaga 120
acccaaattg tctccaaggt tgcaaataat ttgtcccata caggaataag ccctttcctt 180

gacttcctga tcaatgtcag

200

<210> 579
<211> 402
<212> DNA
<213> Homo sapien

<400> 579

ctgatttttaa	caataactac	tgtgttcctg	gcaatagtgt	gttctgatta	gaaatgacca	60
atattatact	aagaaaagat	acgactttat	tttctggtag	atagaaataa	atagctatat	120
ccatgtactg	tagtttttct	tcaacatcaa	tgttcattgt	aatgttactg	atcatgcatt	180
gttgagggtg	tctgaatgtt	ctgacattaa	cagttttcca	tgaaaacgtt	ttattgtgtt	240
tttaatttat	ttattaagat	ggattctcag	atatttatat	ttttatttta	tttgtttcta	300
ccttgagggtc	ttttgacatg	tggaagtgga	atttgaatga	aaaatttaag	cattgtttgc	360
ttattgttcc	aagacattgt	caataaaagc	atttaagtgt	aa		402

<210> 580
<211> 245
<212> DNA
<213> Homo sapien

<220>

<221> misc_feature
<222> (1)...(245)
<223> n = A,T,C or G

<400> 580

ccaattgatt	tgatggtaag	ggaggggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60
agggatggga	gggcgatgan	gactaagatg	atggcgggca	ggatagttca	gacngtttct	120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	taggaaaagg	180
gcatacagga	ctaggaagca	gataaagaaa	atgactntta	gggcgtgatc	atnaaanggg	240
ataaa						245

<210> 581
<211> 294
<212> DNA
<213> Homo sapien

<400> 581

tgcagcgcaa	gtaggtctac	aagacgctac	ttcccctatc	atagaagagc	ttatcacctt	60
tcatgatcac	gccctcatag	tcaatttctt	tatctgcttc	ctagtccctgt	atgccctttt	120
cctaacactc	acaacaaaac	taactaatac	taacatctca	gacgctcagg	aaatagaaac	180
cgtctgaact	atcctgcccg	ccatcatcct	agtccctcgc	gccctcccat	ccctacgcat	240
cctttacata	acagacgagg	tcaacgatcc	ctcccttacc	atcaaatcaa	ttgg	294

<210> 582
<211> 230
<212> DNA
<213> Homo sapien

<400> 582

gagggtgccc	tcatagtcac	tttccttata	tgttccctag	tcctgtatgc	ccttttccta	60
acactcacia	caaaactaac	taataactaac	atctcagacg	ctcaggaaat	agaaaccgtc	120
tgaactatcc	tgcccgccat	catcctagtc	ctcatcgccc	tcccatccct	acgcatcctt	180

tacataacag acgagggtcaa cgatccctcc cttaccatca aatcaattgg

230

<210> 583

<211> 481

<212> DNA

<213> Homo sapien

<400> 583

ccaagggtgt	tctgcctgcc	tcagcctccc	aaagtgtctg	gattacaggt	gtgagccact	60
gtgcctgacc	acaggaaaac	ttattttaa	gagagatttg	actcgaaaga	tcccgttttt	120
ttaaggctct	tagttcttaa	aagcggcaca	taatagaatt	agtataatcc	caaataaatt	180
ttcagtagat	ttttggtgta	acttgagaag	atgattctgt	catttttagt	gacaatttaa	240
aagacctgaa	attgtctaca	gccatagaaa	gtgaactact	gatagttgtt	tctgtaaagt	300
tttattggaa	cacaaccaca	cctatttggt	catctgtatt	gtctttggtt	actttgtgca	360
gagaccatgg	cccacaaacc	taaaacattc	actttctagc	tctttaagaa	ataattggcc	420
cactgacacc	ctgggtcttaa	ggtctagacc	aattatttct	caagagtatt	agctgaatca	480
g						481

<210> 584

<211> 306

<212> DNA

<213> Homo sapien

<400> 584

ccaattaaga	gctaaattta	caaaataatc	tctatcagga	ggctttaagg	tttaatgtct	60
ctaaagtccc	tatggatata	agaggcttga	atgtactgaa	ttcaaatttg	gtttttaaat	120
gttataatag	tttaggcccc	agagccacat	atttctgtct	aagaatagaa	agcatagcta	180
gtgcccaca	cagaatattc	atatagaggt	ggggggcaag	aacaaaattt	attcatttga	240
tacatagaaa	tgggactact	tagaatagac	tcataataga	aagcatcatc	tggtttctca	300
tctcag						306

<210> 585

<211> 308

<212> DNA

<213> Homo sapien

<400> 585

ccagaatggt	acagagtgga	gggtgttctg	ctaattgactt	cagagaagta	tttaagaaaa	60
acatagaaaa	acgtgtgcgg	agtttgccag	aaatagatgg	cttgagcaaa	gagacggtgt	120
tgagctcatg	gatagccaaa	tatgatgcca	tttacagagg	tgaagaggac	ttgtgcaaac	180
agccaaatag	aatggcccta	agtgcagtgt	ctgaacttat	tctgagcaag	gaacaactct	240
atgaaatggt	tcagcagatt	ctgggtatta	aaaaactaga	acaccagctc	ctttataatg	300
catgtcag						308

<210> 586

<211> 416

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 586

cctgtctttg	aatggatgaa	ataggttaat	aaaaaacatc	actgttttaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atggnacttt	caacacttna	120
caacactatt	tnaattaann	ttntttctag	agtttatann	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattnca	aatcttactg	gcaggntctn	ttaaattctt	240
caacggntgn	catagtgatt	aacaaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccaaca	gcttttaata	gtctgg	416

<210> 587

<211> 382

<212> DNA

<213> Homo sapien

<400> 587

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttgactaa	cagttaaatt	tacaagggga	tttagagggt	tctgtgggca	120
aattttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtcgctc	tacctataaa	tcttccact	atcttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggtttcg	ggggtcttag	ctttggctct	ccttgcaaag	300
ttattttctag	ttaatctatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tc				382

<210> 588

<211> 307

<212> DNA

<213> Homo sapien

<400> 588

cctactcttc	tccgtccatt	gtactatctg	cccgtgggtg	ggatggcagt	aggatcatat	60
ttgatgactt	ccgagaagca	tattattggc	ttcgtcataa	tactccagag	gatgcgaagg	120
tcatgtcctg	gtgggattat	ggctatcaga	ttacagctat	ggcaaaccga	acaatttttag	180
tggacaataa	cacatggact	aatacccata	tttctcgagt	agggcaggca	atggcgtcca	240
cagaggaaaa	agcctatgag	atcatgaggg	agctcgatgt	cagctatgtg	ctggtcattt	300
ttggagg						307

<210> 589

<211> 89

<212> DNA

<213> Homo sapien

<400> 589

cctgggtgat	tgaggatgca	atgagctgtg	attgtgccac	cacactccag	cctgggcaat	60
acagcaagac	tgtctcaaaa	aaaaaaaaa				89

<210> 590

<211> 456

<212> DNA

<213> Homo sapien

<400> 590

cctcagttct	tgatttgtgt	tgacggggcg	tcaccatgaa	ggagcccatt	tagtataaag	60
cttccaacct	tttctcttaa	tcgtttcttt	aatcttttaa	accatcttca	agtgcatagg	120
ggagtttccg	atgccagagg	atgaaagcaa	gtgctctctc	cacctctccc	tcccagagtg	180


```

aagatgaaaag ttccaaggta acaatgcccc aacacagcac cattttcacc atttttctgat 360
aatgcaggag taggatggct aaaagtgaaa gaagaatcta ctctatggaa agcatggcac 420
ctgaaatttc tgaagatatt ggctgtcttc tagcttatat gagagagagt gtttgtgctt 480
tactaatcaa ccagtcattt ttttcttggt tggctgaaat gtacattcca gacatgaaca 540
ggtagagtat gtgttggggg cagggtttata ctgcatgggt gtgctgagac agggccacgt 600
ggtgatgtaa atgatgctgn ctgacacgtg cag 633

```

```

<210> 594
<211> 501
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 594
cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaaagaaaag 60
tgagcatctg ctttttaggg attatccagt ctatactact ctgttctagc cacacaaaac 120
aggttaagac agaaattggg accaagagtg ggggtgtact acagcaaata cctgaaaatg 180
tagaagaggc tttgaaatgt ggtaattgga agaagctggt agaatttgga ggagtaggct 240
agaaaatgtc tgtattttca tgaatggagc attaagaata attccgggtga ggccataggg 300
aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtagggt ggtagaaaata 360
tagacagtaa aagcaattct gatgtggttt cagaggaaaa tgaaaaatat tagaaactga 420
aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca 480
agagatttat ggcagaaatg t 501

```

```

<210> 595
<211> 383
<212> DNA
<213> Homo sapien

```

```

<400> 595
ctggtcacca tcatcccttt aatcaactca cacctgttta aagagtgttt ctgatttgac 60
cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
ggtctcatta tcaaaccttt acttatttcg gcatatttcc tctgggcttc ttctagtttc 180
tgccttacia gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
gagatggagg atggaaggat tggtagcaga agagggctaa gatacgtttt ctgtcttgag 300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggg cagagggggag 360
gtgacatggt tagagtcacc cag 383

```

```

<210> 596
<211> 266
<212> DNA
<213> Homo sapien

```

```

<400> 596
ccatggctag gtttatagat agttgggtgg ttggggtaaa tgagtgaggg aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggct atcatttggt ttgaggttag tttgattagt cattgttggg 180
tggttaattag tcggttggtg atgagatatt tggaggtggg gatcaataga gggggaaata 240
gaatgatcag tactgcggcg ggtagg 266

```

<400> 600

agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgctggagg 60
 agaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattggtcc 120
 aattgggtgt gaggagttca gttatatgtt tgggattttt taggtagtgg gtgttgagct 180
 tgaacgcttt cttaattggg ggctgccttt agg 213

<210> 601
 <211> 471
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = A,T,C or G

<400> 601
 ncctactatg ggtgttaaatt tttttactct ctctacaagg ttttttccta gtgtccaaag 60
 agctgttcct ctttggaacta acagttaaat ttacaagggg atttagaggg ttctgtgggc 120
 aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180
 ttgtgcgcct ctacctataa atcttccac tattttgcta catagacggg tgtgctcttt 240
 tagctgttct taggtagctc gtctgggttc gggggtctta gctttggctc tccttgcaaa 300
 gttatttcta gtttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
 ttggttataa tttttcatct ttcccttgcg gtactatata tattgcgcca ggtttcaatt 420
 tctatcgcct atactttatt tgggtaaagt gtttggtctaa ggttgtctgg t 471

<210> 602
 <211> 482
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(482)
 <223> n = A,T,C or G

<400> 602
 tgagcataca gcaataaaaa taacataatt tntatgtgta caatatttat ggaatacgtt 60
 actggaacag ataaataatt tagttaataa catgacaaag aacagaaatt gtatacacta 120
 tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag 180
 ggtatctttg agagcagaac tcaaggaagc aagcaatttg ctttatgagg aaagagttac 240
 ctgtggataa aggagaaact gaaaaattta caagtcaaga ctttttgagc aaaaacaaaa 300
 atatgactat gagtcaccaa ttcagtacag tgaaaaaaa gttgaagaga tatcttgga 360
 gtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattattct gaatgaattt 420
 taaatgcgat aggaatatat gagataattt caccagagaa taatatgatc atgtttgcac 480
 tt 482

<210> 603
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 603
 gttccaacct tcatttctga aactgttcta gagcactttg tctttctcgt agttcataac 60
 ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta 120

T06050-0234850

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<210> 604
<211> 468
<212> DNA
<213> Homo sapien
```

[illegible]

```
<210> 605
<211> 288
<212> DNA
<213> Homo sapien
```

<400> 605						
ccaattgatt	tgatggtaag	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60
agggatggga	gggcgatgag	gactaggatg	atggcgggca	ggatagttca	gacggtttct	120
atttctgag	cgtctgagat	gtagtatta	gtagttttt	ttgtgagtgt	taggaaaagg	180
gcatacga	ctaggaagca	gataaggaaa	atgactatga	ggcgtgac	atgaaagggt	240
ataagctctt	ctatgatagg	ggaaggatcg	tctttagac	ctacttgc		288

```
<210> 606
<211> 572
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(572)  
<223> n = A,T,C or G
```

<400> 606						
gaatnaaatg	aatgaaatag	aaaatataat	tgagagcttc	aacaacagac	tataccaaat	60
ggaggaaaaa	atttctgaac	ttgaagatag	atcttttgaa	ataacacaag	cagtggcaaa	120
aatgaattaa	aagaataaag	gaaagcctaa	aggatttatg	agatatcatt	aagcaagcaa	180
atattcatac	tatgggcatt	ccagatggaa	aaaagaaggg	taaaggtgag	gaaatcatat	240
ttaatgaaat	aatagcagaa	aatttcgga	gtcttgggaq	agaqatgaqc	atttaggtcc	300

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aggagctca aagaaccca aacagattca acccaaacag gtcctctctg gagcccaaca 360
tagtcaaatt gtaataagta aaagacaaag aattccaana agcattcaag agaaaagagt 420
caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta 480
cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac 540
cctgctagct aaaaatatta tacccttgca aa 572

```

```

<210> 607
<211> 178
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

```

```

<400> 607
ctcggggttaa tctcccagca agaggtcagg tcctggntgt gcgtcccagg gtgtcagtga 60
aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga 120
ccaaggccag acctttcattc tttcaaaaga ctttgactaa aaatgcttta aaaaagca 178

```

```

<210> 608
<211> 416
<212> DNA
<213> Homo sapien

```

```

<400> 608
cctgtctttg aatggatgaa ataggttaat aaagaacatc actgtttaaa aactagaaca 60
ctgaaaaaatt ctaggaaagc ttattttccc ttatatattt atgggtacttt caacacttaa 120
taacactatt tcaattaaagt tttctcctag agtttatagt atatcagtag attcctttct 180
gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
caacggctgt catagtgtatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

```

```

<210> 609
<211> 648
<212> DNA
<213> Homo sapien

```

```

<400> 609
ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggcccaata ttcaacattc 60
ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg 120
aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc 180
ctaccctaaa agagtctctg aaggaagcac taaacatgga aaggaacaac cagtaccatc 240
gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac 300
aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat 360
taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggt gctgtattca 420
ggaaccocat ctaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga 480
tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa 540
cagactttta accaacaagg atcagaagag acaagaagg ccattacata atggtaaagg 600
gatcaattca acaagaagag ctaactatcc taaatatata ttgcacc 648

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```

<210> 610

```

<211> 310
 <212> DNA
 <213> Homo sapien

<400> 610
 ccagctcttc tctgtcacat tcttatttct gactttctgcc tggctttcag tttctgcccc 60
 accttggtt tttcccagct tgaacctaat agaactccag agtttggggg gagggccagc 120
 cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa 180
 ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta 240
 agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag 300
 agctgagcag 310

<210> 611
 <211> 254
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(254)
 <223> n = A,T,C or G

<400> 611
 ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac 60
 aattgtggaa ttacaggaat tctggtgata ttaaggtgaa acaacaaaac acaaaaggcc 120
 ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa 180
 tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat 240
 gtggaaatag gcag 254

<210> 612
 <211> 225
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(225)
 <223> n = A,T,C or G

<400> 612
 ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcttaaaaac 60
 cttttcgcat aactgatca tgctacttat cagcactttc taacatcctg accaaacaga 120
 caccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac 180
 acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaa 225

<210> 613
 <211> 471
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = A,T,C or G

20250406 14:54:50

cctaatttgt	agattgtgaa	agcagctttt	agtttaactt	atttacagac	cccttataat	60
taccatgttt	tttttttnt	tctaaatct	nttggttcag	cttgngaatt	ttacgtgcc	120
gtaaagtng	gatgttgaat	nggccctnt	tgttctcgg	agnagtc	gngtccanca	180
ttttttcata	agngtttttt	aaaatngtc	tccacattt	ttatggctcc	ccctcccatg	240
tcctcaaacc	cagcaaaagc	gtanagggan	aattanagga	ccncccggg	cgcccgntaa	300

gggcnaattc cagcncactg gcggccgcta ctagnngatc cnagctcggc nccaagctng 360
gcgtaatcat ggnccatagct gtttcctgtg an 392

<210> 617
<211> 215
<212> DNA
<213> Homo sapien

<400> 617
cctactatgg gtgttaaatt ttttactctc totacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactac cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgctc tacctataaa tcttccact atttt 215

<210> 618
<211> 433
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(433)
<223> n = A,T,C or G

<400> 618
cttttgtnrg cctgttttgt ggactggetg gctctgttag aactctgtcc aaaaagtgca 60
tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccaa 120
atccagaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180
aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaatt tatatttttg 240
ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag 300
cactcacgca aaggtaaattg aacacgtttt aaatgtgtgt gttgctaatt ttttcataa 360
gaattgtaaa cattgaactg aacaaattac ccataatgga tttggttaat gacttatgag 420
caagctggtt tgg 433

<210> 619
<211> 259
<212> DNA
<213> Homo sapien

<400> 619
ctgcagtgtc cttttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60
gttcgatata ttgacaacog tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120
agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata 180
ctgaaaattt aattattagt actatgactg aaagattctt catggctaaa aagctctgca 240
tcaaactcaa ttcaggagg 259

<210> 620
<211> 393
<212> DNA
<213> Homo sapien

<400> 620
ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta 60
gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct 120


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ttcaactgtc taagacttta tcacttaaga tcataaacac agaagcaggt cataaaaata 180
gcttttctta aggttttagga gaattttagg gggcacttac ttgataatct gaattttcta 240
gtcagaagtt taaataccac cttttaaaaa cataaaattt aatttgtaac aagttattaa 300
caaagcagta ttgtcgaaag ttttaagctt tctccaata atttaattac attaattaaa 360
tttttaccat tctaattggtt acaaagtaac cag 393

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<210> 621
<211> 563
<212> DNA
<213> Homo sapien

```

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<400> 621
ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag 60
cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc 120
acataatttg cttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg 180
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa 240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt 300
tggctaagct caagctcaaa acaggctctc aaggagaaaa tacatcacia agaaaaggat 360
gttttatttc ttacctgtgc ctagaaaaat ttccataaac tctattgggt taattctgta 420
aacttgacca atatcagagt gcttctacc aaggagggtg gctgatgagc gtgacctagg 480
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaagagt tgaaaattat 540
tcaaggagac attatggtct tgg 563

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```

<210> 622
<211> 505
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

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<400> 622
tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat 60
ctcttggtgt ccgactttct acttttcaac tttgaacttc aaaaaaacat tactttgctt 120
atcctttgta ctttgatcag gttgtttaga attgtagatc aaaccattct ttgatcattt 180
tattgtttta atgnntagtt ccatttataa tttttatagc caactctcgg ttattttctgt 240
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg acttttatac 300
ttaggcttct ttaaatacta atagtcaaga attctagagc atctaataaa aaattaactt 360
tcagatcatt gggaaatctgt cctcatttaa atatgtgtaa atgcatttcc acagcaaatt 420
gcttcatgcc ctttgnctat aaggaaatta ttocctgtag ctaatacatt tttcattttg 480
cagnccaaat cttttttgag aaagg 505

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<210> 623
<211> 489
<212> DNA
<213> Homo sapien

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<400> 623
cctactatgg gtgttaaatt ttttactctc totacaaggt tttttcctag tgtocaaaga 60
gctgttcttc tttggactaa cagttaaatt tacaagggga ttttagaggg tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagg 180
ttgtcgcttc tacctataaa tcttccactc attttgctac atagacgggt gtgctctttt 240

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agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
ttattttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt 420
ctatcgctat actttatttg ggtaaaggt ttggctaagg ttgtctggta gtaagggtga 480
gtgggtttg 489

```

```

<210> 624
<211> 233
<212> DNA
<213> Homo sapien

```

```

<400> 624
gttggggaac agctaaatag gttgttgttg atttggttaa aaaatagtag ggggatgatg 60
ctaataatta ggctgtgggt ggttgtgttg attcaaatga tgtgtttttt ggagagtcat 120
gtcagtggta gtaataataat tgttgggacg attagtttta gcattggagt aggttttaggt 180
tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg 233

```

```

<210> 625
<211> 459
<212> DNA
<213> Homo sapien

```

```

<400> 625
ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggattttca 60
gtatgcaaaa ttatggctaa aaataagggg ctctttacat gaacataatg aaaacattaa 120
tcacatggat tgttccctta gtactgcacg cctttttctat ggaacttttt caaattatct 180
aaatgaacaa gtttgggtttt ggtgaacacc agcctttttt tttgtggttc agttttgttt 240
ggctttgtct tccactgggg tcagacctga tacttatcta tctatgaata aatgtacatt 300
tttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaagga 360
tcatagaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta 420
ttagagattt taaggaaatc ttgtagggtt cgacattgg 459

```

```

<210> 626
<211> 458
<212> DNA
<213> Homo sapien

```

```

<400> 626
cctgatgatt gttttaaaca gtagaaaggg ttcagctaag aactacagtc cactctcagc 60
cctgtcatgt actataggac aagtcttcat tcacaacaaa tggatagcaa caccaatctc 120
gtaacactgg gaaaactgca tacaatattt agaaggaaca ctaatacagc agaatctgca 180
cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttggtc 240
acttttctga acccttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta 300
tatgaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt 360
aaagcactat gctggttatt gtgatctctg agatatTTTT aaagttgcaa ttcaattcaa 420
caagcattca ttttagagtca tgtgcaaggc actgtgct 458

```

```

<210> 627
<211> 393
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(393)

<223> n = A,T,C or G

<400> 627

ccatnngaac	gcactcagga	ggtggtttgt	totggatgca	gaaaccagag	atctagtttc	60
tatccacaca	gacgggaatg	aacagctctc	tgtgatgcgc	tactcaatag	atggtacctt	120
cctggctgta	ggatctcatg	acaactttat	ttacctctat	gtagtctctg	aaaatggaag	180
aaaatatagc	agatatggaa	ggtgcactgg	acattccagc	tacatcacac	accttgactg	240
gtcccagac	aacaagtata	taatgtctaa	ctcgggagac	tatgaaatat	tgtactggga	300
cattccaaat	ggctgcaaac	taatcaggaa	tcgatcggat	tgtaaggaca	tttgattgga	360
ccgacatata	cctgtgggct	aggacttcca	gga			393

<210> 628

<211> 233

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(233)

<223> n = A,T,C or G

<400> 628

ctggatttat	aaaatagttg	aatgacaaaa	gaagnntggt	ttgacagtaa	aaaaaagaca	60
ttatggacaa	aatatgcaaa	atgtgcaaag	aaaaaataaa	tttgcattag	aaaggtgggc	120
atttgatctc	tgagccctgt	gccatgtaac	attgccatgt	tctttcactg	ttgtttgaat	180
gttgtagccc	ancccttgac	tctggactta	aggcaagcta	tgactggctt	tgg	233

<210> 629

<211> 450

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 629

ccnggacaat	ntaggcagga	gaaggaaata	aagggtatct	aattaggaaa	agaggaagtc	60
aaattgtccc	tgtttgacga	tgacatgatt	gtatatctag	aaaaccccat	tgccctcagcc	120
caaaatctcc	ttaagctgat	aagcaactcc	agcaaagtcg	caggatacaa	aatcaatgga	180
cacaaatcac	aaacattctt	atacaccaat	aacagacaaa	cagaggccaa	atcacgagtn	240
gaactctatt	ccaattgctt	tcaagaaaat	taaaatacct	agggatccaa	cttacaaggg	300
acatgaagga	cctcttcaag	gagaaactac	aaaccactgc	tcaatgaaat	aaaagaggat	360
acaaagaaat	ggaagaacat	tccatgctca	ttggtagctt	gatggggatg	gcattgaatc	420
tataaattac	cttgggcagt	atggacctca				450

<210> 630

<211> 486

<212> DNA

<213> Homo sapien

<400> 630

```

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga      60
gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca    120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt    180
ttgtcgcttc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt    240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag    300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct    360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt    420
ctatcgcta  tactttattt gggtaaattg tttggctaag gttgtctggt agtaagggtg    480
agtggg                                           486

```

```

<210> 631
<211> 211
<212> DNA
<213> Homo sapien

```

```

<400> 631
tttacataaa tattatacta gcatttacca tctcacttct aggaatacta gtatatcgct      60
cacacctcat atctcccta ctatgcctag aaggaataat actatcactg ttcattatag    120
ctactctcat aacctcaac acccactccc tcttagccaa tattgtgcct attgccatac    180
tagtctttgc cgcctgcgat gcagcggtag g                                           211

```

```

<210> 632
<211> 293
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 632
cagcgcaagt aggtctacaa gacgctactt cccctatcat agaagagctt atcacctttc      60
atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcctgta tgcccttttc    120
ctaacactca caacaaaact aactaatact aacatctcag acgctcagga aatagaaacc    180
gtctgaacta ngctgccgcg catcatccta gtccctcatc cctcccatc cctacgcatac    240
ctttacataa cagacgaggt cnacgatccc tcccttacca tcaaatcaat tgg                                           293

```

```

<210> 633
<211> 263
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(263)
<223> n = A,T,C or G

```

```

<400> 633
nggtctgcag tgtccctttt tatatcatgc tagtggtgag acatacttga ctaacttggg      60
aacagttcga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg    120
tccaagtga cttttcatgg agtgcagaat ctcaaagtga caaaatactt tgtcttttta    180
aatactgaaa attnaattat tagtactatg actgaaagat tcttcatggc taaaaagctc    240
tgcacaaac  tcaattcagg agg                                           263

```

<210> 634
 <211> 491
 <212> DNA
 <213> Homo sapien

<400> 634
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tgcaagggga tttagagggt tctgtgggca 120
 aattttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgccctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
 ctatcgcccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggtg 480
 agtggggttg g 491

<210> 635
 <211> 270
 <212> DNA
 <213> Homo sapien

<400> 635
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg 270

<210> 636
 <211> 383
 <212> DNA
 <213> Homo sapien

<400> 636
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
 aattttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgccctc tacctataaa tcttccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcc 383

<210> 637
 <211> 537
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(537)
 <223> n = A,T,C or G

<400> 637

```

ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc 60
ctctacattt ttgtaattaa ctctgggggc ttacttgttt tggcagtagt gaaatcaaag 120
gagctgggtc ttctttttct ccaattattt tcatatgaaa gcacctacaa ttagcctggt 180
agtcctattc agatacatca aatatcagtg aatgctttac tattcgcaaa ttttaagcatc 240
tttgttttac ataaaattag agtatgaaaa ccagtggttca atttttttatc ttgttgagct 300
tgtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat 360
tactaataca aggggttaaag aaggtagatt ttgttttcaa tatttggtga atattagaaa 420
gattcttccc acagggaaga actagcaagt gtcccaattt tttccaaacg ttggggaggg 480
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttcctgct ttttagg 537

```

<210> 638

<211> 445

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(445)

<223> n = A,T,C or G

<400> 638

```

ccagcagaac acagnagtga tttggtcccc tttgttcccc agtgggggtat ctatccttgt 60
gcaggggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg 120
ctgcacacca gaatgaatga attgaattga aaggaggagg tgatggtgga aaaaaaaaca 180
agtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacggttaaa 240
attccctgga agatgttaca taatcctatc atggtgttta tttatggaaa tctattttta 300
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca 360
gtaaatactt tttgaatgaa ctagtatagt attttaatta gctagtcttc gtgtactggt 420
acaaaagaac agtgcacatc tacag 445

```

<210> 639

<211> 584

<212> DNA

<213> Homo sapien

<400> 639

```

gottgagtat tctatagtggt cacctaaata gottggcgta atcatggtca tagctgtttc 60
ctgtgtgaaa ttgttatccg ctacacaattc cacacaacat acgagccgga agcataaagt 120
gtaaagcctg ggggtgcctaa tgagttagct aactcacatt aattgcgttg cgctcactgc 180
ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 240
ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc gctcactgac tcgctgcgct 300
cggtcgttcg gctgcggcga gcggtatcag ctcaactcaaa ggcggttaata cggttatcca 360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 420
accgtaaaaa ggccgcgttg ctggcgtttt tccataggct ccgccccctt gacgagcatc 480
acaaaaatcg acgctcaagt caagaggtgg cgaaacccga caggactata aagataccag 540
gcggtttccc ctggaagctc cctcgtgcgc tctcctgttc cgac 584

```

<210> 640

<211> 404

<212> DNA

<213> Homo sapien

<400> 640

```

ccataggaac gcactcaggc aggtggtttg ttctggatgc agaaaccaga gatctagttt 60

```

```
<210> 641
<211> 138
<212> DNA
<213> Homo sapien
```

```

<400> 641
acagg aacattacct gaagtgcagg gtggttacct gcacaaagtc ccatttccaa      60
ctctgt gtaattcacc agaaattttg gatggaataa ttagaaaaaa aaaaagaggt    120
cntgt aactcaaa                                     138

```

```
<210> 642
<211> 381
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G
```

<400> 642						
ctgtaggttg	aatTTTTacc	cagaaaagat	aggccctaga	agcctcattt	cttttctcca	60
tggaaaagga	cagccctctg	ctgcagcggt	caacttggtg	gtttactgac	agagtgaact	120
acagaaatag	cttttcttcc	taaaggggat	tgttctacat	tttgaagtta	ttttttaata	180
aaattgaatt	atgttggtga	ttgtgcttcc	taataggaaa	tgcattattg	gactgttttt	240
gtaacattct	gtttatttga	aatagctagt	atcgttcaaa	aactgtataa	aatacttttg	300
tacatatccg	caatgtctaa	tttgtataca	cttcagttaa	atttccttaa	aacttgaaa	360
qqgaccttqt	anaaatataa	a				381

```
<210> 643
<211> 403
<212> DNA
<213> Homo sapien
```

<400> 643						
ccttcctaaa	aaatagtggg	gagctggagg	ctacttcgcg	cttccttagcg	tctggtcaga	60
gagctgatgg	atatcccat	tggccccgac	aagatgacat	agatttgcaa	aaagatgatg	120
aggataccag	agaggcattg	gtcaaaaaat	ttgggtgctca	gaatgtagct	cggaggattg	180
aatttcgaaa	gaaataattg	gcaagataat	gagaaaagaa	aaaagtcattg	gtagggtgagg	240
tggttaaaaa	aaattgtgac	caatgaactt	tagagagttc	ttgcattgga	actggcactt	300
attttctgac	catcgctgct	gttgctctgt	gagtcctaga	tttttgtagc	caagcagagt	360
tgtagagggg	gataaaaaqa	aaagaaattg	qatgtattta	caq		403

<210> 644
 <211> 688
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(688)
 <223> n = A,T,C or G

<400> 644

cctatttatt	tgttttggcc	ctggatcttt	octaatcaca	attatatattc	tttatttttg	60
cctttgagca	gtttcattta	tccttggtggg	caggggaagat	taaatatgaa	attcagtgcca	120
gtcatitttg	tactgggttag	ctttagtttg	aggcaagtaa	aaattttttga	ttaaaatttag	180
tttcttaaaa	ttatgccctt	gctttacca	ataatcaa	at	ataagggtat	240
gtaactttgc	atittgaaga	acaaaccaat	aat	tttctcat	gagccctact	300
taaagaagac	cttcctaaga	gacaattagg	gatgagtttg	attaatggga	aatagctcta	360
ggttagatta	ttttaaattc	catacaccaa	gtgatttaac	cacagtggca	gtggcagctt	420
ctgaaccgtc	aagtatgaac	atcacttaaa	aattaaaaga	tgcttaataa	taaactctta	480
attttcatta	agccaatctg	taattcagaa	gaaaagcata	tgtctgccat	gggactattg	540
cagtgcgtct	ccatcagtg	taacacagga	gagatatgtt	at	ttttatgtg	600
tttgggat	at	gtggtagtaa	gaacatgtca	agagtgtctt	tcttcaaacc	660
actgangaaa	gacaggtact	tccattgc			tgncagctca	688

<210> 645
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 645

ccaaatgtgt	ctccagccca	cacttccagg	tggcagagcg	agctctctat	tactggaata	60
atgaatacat	catgagttta	atcagtgaca	acgcagcgaa	gattctgccc	atcatgtttc	120
cttccttgta	ccgcaactca	aagaccatt	ggaacaagac	aatacatggc	ttgatataca	180
acgccctgaa	gctcttcatg	gagatgaacc	aaaagctatt	tgatgactgt	acacaacagt	240
tcaaagcaga	gaaactaaaa	gagaagctaa	aatgaaaga	acgggaagaa	gcatgggtta	300
aaatagaaaa	tctagccaaa	gccaatcccc	aggtactaaa	aaagagaata	acatgaaaac	360
gccaggggtt	acttgaatgt	ttttataaga	taggaatata	tgtcttcacc	atgggggggg	420
gtctcggtt	tcactaacgt	tgtatatgaa	aatgggtgcn	ataaaaagta	cttttaaaact	480
ttgt						484

<210> 646
 <211> 447
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(447)

<400> 646

<210> 647

<211> 388

<212> DNA

<213> Homo sapien

<400> 647

gaaggtgata	taaaatgact	gtcatcattt	ggagtgtgca	gtacagttac	ttcatgtttcc	60
tcaggttttag	aacaatttcc	cctgcaagtt	ctcacacaga	taggcagaaa	tcataactaa	120
ttttggttaa	tcactatggc	agccgttgaa	gaatttaaga	gaacctgcc	gtaagatttg	180
gaataagatt	ctatattatt	gcatccacag	aaaagaatgt	actgatatac	tataaactct	240
aggagaaaac	ttaattgaaa	tagtgtttat	aagtgttgaa	agtaccataa	aaatataagg	300
gaaaataatt	tttcctagaa	tttttcctag	ttctagtttt	taaacagtga	tgttttttat	360
taacctattg	catccattca	aaqacacg				388

<210> 648

<211> 632

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (632)$

<223> n = A, T, C or G

<400> 648

cctggctggg	cntttgacct	gcgnttttaa	atnactcaca	gagggtggga	caggaggaag	60
agtgaaggaa	aaggtcaaac	ctgttttaag	ggcaacctgc	ctttgttctg	aattggtctt	120
aagaacatta	ccagctccag	gtttaaattg	ttcagtttca	tgcagttcca	atagctgac	180
attgttgaga	tgaggacaaa	atcctttgtc	ctcactagtt	tgctttacat	ttttgaaaag	240
tattattttt	gtccaagtgc	ttatcaacta	aaccttgtgt	taggtaagaa	tggaatttat	300
taagtgaatc	agtgtgacct	ttcttgtcat	aagattatct	taaagctgaa	gccaaaatat	360
gcttcaaaaag	aagaggactt	tattgttcat	tgtagtccat	acattcaaag	catctgaact	420
gtagttttcta	tagcaagcca	attacatcca	taagtggaga	aggaaataga	tagatgtcaa	480
agnatgattg	gtggaggagg	caaggttgaa	gataatctgg	ggttgaaatt	ttctagtntt	540
cattccgtac	atttttagtt	agacatcaga	tttgaatat	taatgttacc	tcctcaatgg	600
ggtggtatca	gacctgcccg	ggcggncggn	tc			632

<210> 649

$\langle 211 \rangle$ 300

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(300)
 <223> n = A,T,C or G

<400> 649
 nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa 60
 attattggta accaatttat tttaaaagcc catcaattta atttctggtg gtgcagaagt 120
 tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa 180
 tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaagctac taaaaggact 240
 ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg 300

<210> 650
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 650
 ngtnctgnta aacagaaggg tacaangccc ttctggcttt aagcagtcac aggaatgtga 60
 cagacattcc tcttagggag cgctctctcc taggggtttc tcactctgtc cacactgagt 120
 ggatgtaatg ctatttttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc 180
 ttgcattttt agcgtctgct ctgtgggggt gttaggccct ggcaactcca ggaactagt 240
 ctaaaagctgc atctntctct cccctctagg gatcgataaa gtttcaactgc agaaagtctc 300
 cactgcggta tgctgacatc tgccctgaac ctccacccta cagcattaca ggctttaatc 360
 agattctgct ggaaagacac aggctgatcc acgtgacctc ttctgccttc actgggctgg 420
 ggtgatcctt ggtgcctttg tttccacaag gccttttctc gccccctgcc ttgccaaaga 480
 catttaatca gcacacag 498

<210> 651
 <211> 654
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(654)
 <223> n = A,T,C or G

<400> 651
 ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag 60
 cctaaagggc ttttttcttt ctgtgtattc cttcttggcc tccaacatgg gtacagtcac 120
 aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa 180
 gaggatccac aggtaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag 240
 accaacctca taagtgggat ttattagnnc ctgggctcaa atccaaattg tacatgaata 300
 tgtctggtcc tagatagggt accgaagact ttgaaagtga attttgggat atcattgccc 360
 agattccaga ctggnatttg tgtgacacaa catacaggat atatctgaat agtgctcaga 420
 agagtttgaa aatgcaaatg atattaaaat aaagatgaaa aagagaaagc tggtcagaac 480
 ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat 540
 gaattaaaaac aagatttaga gactgagcat ggtagctnat tcttgtaatc caacnctttg 600

ggagggcaag gcaanagaat tgcttgccgc caggagtttt gagaccagct tggg

654

<210> 652

<211> 293

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(293)

<223> n = A,T,C or G

<400> 652

ngtctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc	60
cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca	120
cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac	180
gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cacactagcc	240
ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt	293

<210> 653

<211> 294

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(294)

<223> n = A,T,C or G

<400> 653

ngtccaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacatttggt	60
ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa	120
gatacacaa agttaagcgt aaagatcaca ggcaatagca ttcaaacatg gatgtgggta	180
gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt	240
tggtctttca tgggccgctc acaacaccaa cgctgtgtga ggtatggtag tcag	294

<210> 654

<211> 250

<212> DNA

<213> Homo sapien

<400> 654

ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagttg	60
gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga	120
aaggaaattt aggaggcata ggccatttca ggagcataa gtaatctcct gtcctttggc	180
agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt	240
aattatgagg	250

<210> 655

<211> 494

<212> DNA

<213> Homo sapien

<400> 655

0904966-0504

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ccattataat tttataaac cattaccctt taaattctac cgattataag cagcgtaaaa      60
gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt      120
agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa      180
cctttttctg gtagcaccac ttttgttttt aatagaaaga tgagttcata tctgtacatc      240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttta      300
tacctctgcc ttttacttaa aagccattta atatttttaa agtcaaaaact tgacatacag      360
gtattttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtagggt agctttggct      420
atgtaaagac atagtagagg acaattactt aaagaagagt tttcttttga ggatttgtag      480
atttgactaa gcag                                         494

```

```

<210> 656
<211> 477
<212> DNA
<213> Homo sapien

```

```

<400> 656
cgcgttactg tacatatgac tagcaggaga cacttggaat tactaaacaa atactggaat      60
tcacattaca gacagacgaa accaacaatg atgccacaca taacttcctt tgtagtttca      120
cagagggcct atttgtggtt gtcagggtgg ggtcatacat tgcttgcaga aatggcctga      180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg      240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac      300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca      360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta      420
tagtttgagt gtagggattc agtaatcaaa ggttggttatt gcaaaagagc caggcag      477

```

```

<210> 657
<211> 576
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G

```

```

<400> 657
cctctacctg tanatcacta tttttctaaa gacaatttgg tgttttgaag ataaatgtca      60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catattttct      120
cttttttagca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt      180
ttcattttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat      240
aatttgaaaa tggaacattt tgaccacagc tctagcagca taaatacatt tataaaatac      300
ttcattgttg atcttaggtc attgattttaa aacagaattt ggtgactatg ggcagggtgga      360
ggggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt      420
gtataaacat aatatattca tggttgtatc tcttatttat aatacccaac taacatgaag      480
gtggtccaag ggaaggatca atatttttaa taacatattt gcttaaaata tcatacagtg      540
gctgcttcat aaaaaatctt ataaactttt attacc                                         576

```

```

<210> 658
<211> 344
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (1)...(344)

<223> n = A,T,C or G

<400> 658

cctgaaaaga	aagntgctct	tatggactct	tgcatgttaa	gactatgtct	tcacatcatg	60
gtgcaaatca	catgtaccca	atgactccgg	ctttgacaca	acaccttacc	atcatcatgc	120
catgatggct	tccacaaaagc	attaaacctg	gtaaccagag	attactgggtg	gctccagcgt	180
tgttagatgt	tcatgaaatg	tgaccacctc	tcaatcacct	ttgagggcta	aagagtagca	240
catcaaaagg	actccaaaat	cccataccca	actcttaaga	gatttgtcct	ggtacttcag	300
aaagaatttt	catgagtgtt	cttaattggc	tggaagagca	ccag		344

<210> 659

<211> 230

<212> DNA

<213> Homo sapien

<400> 659

ctgctttccc	tgctaaacag	ttccagagca	aaagcagcaa	aaagaaaata	tgggagggat	60
atgggcaacg	tatactcgaa	cgtagcgaga	gaagagagta	cggttagctc	taatatttct	120
cattgaactt	ggtggtatgt	gccttccttg	catataaggc	catagtgcct	ttttgggagc	180
gctagaatat	ccatccactt	gacagtgacc	acaaaatagg	ctgtttccag		230

<210> 660

<211> 80

<212> DNA

<213> Homo sapien

<400> 660

ctggtccttg	ttaaaactga	tcaccacttt	ggagagatcg	actggaggct	cctgggtggt	60
ctgagggggc	tgggggacag					80

<210> 661

<211> 535

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(535)

<223> n = A,T,C or G

<400> 661

ctgaaccata	tctgattaac	tctttggtct	ctgttattgg	aacaaaaccg	acgctatgcc	60
tgacgcggcc	agactgcaac	caaaaacaca	gtttgggggtc	agaagacatt	aaaaatcaca	120
ataaaatagg	atgaatgttc	taagtcacgc	aactgaatca	aggcaccttt	ttttttcaaa	180
agcaaaaagt	tgtttaacaa	tattccagaa	tagtagatac	ttcaaaaacc	agattacagt	240
atatatcatt	ttgctgcaca	tttttagtcta	ttttctgtat	acatagtcac	acattcttta	300
ccctctocca	acttatacat	gctttatccc	cccagtcatg	tgctatgtag	gtataaaaaa	360
ataaagttgt	atctaaacaa	gtgatttaaa	aaaaaaaaact	aacgaatgcc	ncnatnataa	420
cncatgaactt	gtttccctnt	tgaaggacat	tggaaatgtt	accgaggttn	ntttacctng	480
gccgcaaccn	cncatangggc	naattccagc	ncactggggg	ccgttactag	gggat	535

<210> 662

<211> 257

<212> DNA
<213> Homo sapien

<400> 662
 octgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc 60
 tctgatgcat atcaagattc aagcgctgt tgtagccott cccacagtcc tcacatttgt 120
 atggcttttc tacactgtga actttttctt gcactttaga gaatgaattc tgtacaatgt 180
 ttttcccatg ctgctcacat ttgagaggtg tttctctgct gtggcgctctc tgatgggtca 240
 gacgagttga ggaccag 257

<210> 663
 <211> 516
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(516)
 <223> n = A,T,C or G

<400> 663
 ccaattatag gtatttttatt ttttaaagat tagagngttc ttgaagctct ttctatttct 60
 ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac 120
 atcaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg 180
 ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcatc 240
 cctatgtata gttctgtcat ttttcaataa gagctttttg ctttaattatg aagtactagt 300
 tactataacc attattttga gtttcatgta aatcaagaac acatggactc cacttgcaaa 360
 acattgaaaa tgtagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac 420
 aatgagtaag caacaaagtg tccaattttt taggcgaaag ttgcatatgt caggaaaagg 480
 caggattaag taatagagaa tttgaatgat aactgg 516

<210> 664
 <211> 212
 <212> DNA
 <213> Homo sapien

<400> 664
 gtccgaggag gttagttgtg gcaataaaaa tgattaagga tactagtata agagatcagg 60
 ttcgctcttt agtggtgtgt atggctatca tttgttttga ggtagtttg attagtcatt 120
 gttgggtggt aattagtcgg ttggtgatga gatatttga ggtggggatc aatagagggg 180
 gaaatagaat gatcagtact gcggcgggta gg 212

<210> 665
 <211> 408
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(408)
 <223> n = A,T,C or G

<400> 665
 atccaggggt ncccggtngc tgcnngggaaa cctccagcct tgttcttcaa accactcage 60

```
<210> 666
<211> 635
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G
```

```
<210> 667
<211> 388
<212> DNA
<213> Homo sapien
```

```
<210> 668
<211> 498
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G
```

<400> 668

tgatcttaac	aaaattcgta	gcagtggaac	cttgaaatgc	atgtggctag	atttatgcta	60
aaatgattct	cagtttagcat	tttagtaaca	cttcaaaggt	ttttttttgt	ttgttttcta	120
gacttaataa	aagcttagga	ttaattagaa	gaagcaatct	agttaaattt	cccatttgta	180
ttttattttc	ttgaataactt	ttttcatagt	tattcgttta	aaaagattta	aaaatcattg	240
cactttggtc	agaaaaataa	taaatatatc	ttatgaatgt	ttgattccct	tccttgctat	300
ttttattcag	tagatttttg	tttggcatca	tgttgaagca	ccgaaagata	aatgattttt	360
aaaaggctat	agagtccaaa	ggaatgttct	tttacaccaa	ttcttccttt	aaaaatntct	420
gaggaatttg	ttttcgccct	actttttttt	cttctgtcac	aatgctaagn	ggtatccgag	480
gtntntaata	tgagattt					498

<210> 669

<211> 622

<212> DNA

<213> Homo sapien

<400> 669

ccttagccaa	agaatgcagt	ggagccttcc	cccttcaact	gcattgtgaa	tgaataccaa	60
ttaacagcat	aaaaattaat	agtcccatat	cagatctgga	aggggtttct	ggggctgtct	120
gatgtcccta	tcctgttgta	gtgaacacaa	tagcagaaaa	ttctttctgg	gtccatctgc	180
tataaagtct	tggtaaaaca	gcattactat	gaagaggatg	aactcaccta	ccttcagatg	240
gaggaaaagt	gaaaaggact	taggctttag	tcctccatga	cttttcttaa	gcactaccta	300
cctgtaataa	gctgagtgca	aaaggatgcc	gaagaaaatc	tgacccaga	agctgttaga	360
aagcactgca	gagaacaggg	tatgaagaaa	ataaagagtt	cttaataaac	ccttaagatt	420
ctttgttcaa	ggtaaccttg	ccaaaagggc	agagtaggtg	gcaaagagtt	gcttttaatc	480
tagctctaca	ctgcatttga	aaataaaaatt	tgcccatttt	gaatatattg	tttataatta	540
aatgtgcttt	ttacactgca	ggtcaatata	aaaactgggt	agtaaatttc	cagcgagcat	600
ttatgttcat	ttgctcacag	ca				622

<210> 670

<211> 477

<212> DNA

<213> Homo sapien

<400> 670

ttgggccctc	tagatgcatg	ctcgagcggc	cgccagtgtg	atggatatct	gcagaattcg	60
cccttgccgc	ccgggcaggt	gatggatgag	gagcaaaaac	tttatacggg	tgatgaagat	120
gatatctaca	aggctaataa	cattgcctat	gaagatgtgg	tcgggggaga	agactggaac	180
ccagtagagg	agaaaataga	gagtcaaacc	caggaagagg	tgagagacag	caaagagaat	240
atagaaaaaa	atgaacaaat	caacgatgag	atgaaacgct	cagggcagct	tggcatccag	300
gaagaagatc	ttcgaaaaga	gagtaaagac	caactctcag	atgatgtctc	caaagtaatt	360
gcctatttga	aaaggtttagt	aaatgctgca	ggaagtggga	ggttacagaa	tgggcaaaat	420
ggggaaaggg	ccaccaggct	ttttgagaaa	cctcttgatt	ctcagctctat	ttatcag	477

<210> 671

<211> 127

<212> DNA

<213> Homo sapien

<400> 671

gtgtgtgtgt	ctacttgggc	gtgtttaacg	tgtgcgtttg	tgtctgcgtg	tgcattgtgtc	60
tgtgtgtgcg	cgtgtatttc	agtttgggtt	gccggatccc	atatgattgc	gtgcctgtgt	120
acctgag						127

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<210> 672
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 672
 gggtctgcac agctatgtta acagcatcct tataaccagga gtaggaggaa agacacgact 60
 ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gtttcagtgc 120
 tcagaaagag tgtaacaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc 180
 tcgagtgggt cttgcacccat tgcctggaat gaaaggaaca gattacatta atgcttctta 240
 tatcatgggc tattatagga gcaatgaatt tattataact cagcatcctc tgccacatac 300
 tacgaaagat ttctggcgaa tgatttgga tcataacgca cagatcattg tcatgctgcc 360
 agacaaccag agcttggcag aagatgagtt tgtgtactgg 400

<210> 673
 <211> 600
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(600)
 <223> n = A,T,C or G

<400> 673
 ctggcggttg tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag 60
 tgttagcatt gtcactctgag atcactgcta ttaatatcat ccattaattt attagtgcgc 120
 ttactatata gcagactggg agataaggag aaaatctgtc acattctctc tagctaatac 180
 gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg 240
 aocaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat 300
 tataattaaa gcaggtttct cacatacttt tcattttato ctttggataa ttttgtgagg 360
 aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgtt 420
 tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag 480
 taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa 540
 gagagaaact gggttctttg ggagggtttc ggtgctacat ttataccctn catcagagtn 600

<210> 674
 <211> 140
 <212> DNA
 <213> Homo sapien

<400> 674
 ggtgggttgg gtaaagttagt gaggcaggag tccgaggagg ttagttgtgg caataaaaaat 60
 gattaaggat actagtataa gagatcaggt tcgtccttta gtgttgtgta tggctatcat 120
 ttgttttgag gttagtttga 140

<210> 675
 <211> 245
 <212> DNA
 <213> Homo sapien

<400> 675
 gttgggttgg ttgtgtaaat gagtgaggca ggagtccgag gaggttagtt gtggcaataa 60
 aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta 120

tcatttggtt tgaggtagt ttgattagtc attgttgggt ggtaattagt cggttggtga 180
 tgagatattt ggaggtaggg atcaatagag ggggaaatag aatgatcagt actgcggcgg 240
 gtagg 245

<210> 676
 <211> 621
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(621)
 <223> n = A,T,C or G

<400> 676
 ctgtccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac 60
 taataaatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag 120
 taatatgatac ttggaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata 180
 attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcagggtcta tcatatgggt 240
 tgacagattt tttaaaagtt atttttggta aggtcttctt tttagaaaaa attaatctca 300
 agggtttttt gtaccactat aatctctaat acttactcag aattactgtg tatttactta 360
 atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa 420
 tatcttgaaa gctatatattt gggcttggta agcattttgt tttttctttc tctgttttgg 480
 taaggattta aaattttttt cattgcaatt ttaagtgggt ttcaataagt aatagttttt 540
 atcaaatattt tgggtgcttgg tgcagagacg gcgtggggaa ggggtgaatgg ttttgggaat 600
 aattcagtagc acacctgggg g 621

<210> 677
 <211> 210
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(210)
 <223> n = A,T,C or G

<400> 677
 ttacataaan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc 60
 acacctcata tcctccctac tatgcctaga aggaataata ctatcactgt tcattatagc 120
 tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact 180
 agtctttgcc gcctgcgaag cagcggtagg 210

<210> 678
 <211> 383
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 678

054950.050

gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc 60
 agggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann 120
 aactgattaa tgtttggggnn tgagtttnta tatcacagcc anaattntat gatgnaccat 180
 gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg 240
 gagagctggg ttgtttgggt tgnnggctcan tgtcagttcc anataataac ttcttgggtct 300
 aggcacatga atattgttgt ggggaanaga ctgataataa aggtggatgc gacaatggat 360
 ttacataat gggggtatna gtt 383

<210> 679

<211> 371

<212> DNA

<213> Homo sapien

<400> 679

aaaatgaaaa tattgacaag agtttcagat agaaaaatgaa aaacaagcta agacaagtat 60
 tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa 120
 aaatgaggaa attattggta accaatttat tttaaaagcc catcaattta atttctgggtg 180
 gtgcagaagt tagaaggtaa agcttgagaa gatgaggggtg ttacgtaga ccagaaccaa 240
 tttagaagaa tacttgaagc tagaagggga agttgggttaa aaatcacatc aaaaagctac 300
 taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaa gagttagaag 360
 aatttgaag g 371

<210> 680

<211> 176

<212> DNA

<213> Homo sapien

<400> 680

cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt ggttctcagg 60
 gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
 ttaatatattt tagttgggtg atgaggaata gtgtaaggag tatgggggta attatg 176

<210> 681

<211> 152

<212> DNA

<213> Homo sapien

<400> 681

ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt 60
 aggaagatgc acattgatgt ggggttttga tgtgtctgat tttgactact caagctctgt 120
 ttacagaaga aaattgaatg gcgaggggtgt gg 152

<210> 682

<211> 141

<212> DNA

<213> Homo sapien

<400> 682

ccagtgtgtg cttgccgtgg tttagtgtt ggggtgttaga aataaaaaact caggtctatt 60
 tcttaccagt cagtaacaat ttttagagaa tgtacttggt atataatata tggacttcag 120
 gaactttgtt ggggtggggg g 141

<210> 683

<211> 308

ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac 60
 attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg 120
 catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa 180
 tgttgtaccc cagcccttga ctctggactt aaggcaagct atgactggct ttgg 234

<210> 687

<211> 315

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(315)

<223> n = A,T,C or G

<400> 687

nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa 60
 tatgtggaga attttggctt aattgatggc cgcctcacca tctgtacaat ctctgtttc 120
 tttgccatag tggctttgat ttgggattat atgcacccct ttccagagtc caaaoccggt 180
 ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca 240
 tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct 300
 gatgatattt ggcag 315

<210> 688

<211> 522

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 688

ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga 60
 ggctgaatgt ttgggttaag atgttagttg tcagaatcat gagaaaagg ttttaagcaag 120
 gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt 180
 gggtagtctg taaagtactt gatttatttt ttaaaacctt acaaaaaact tacaaggtag 240
 gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga 300
 tttgaaccag gcaatcctag agcctgtact gttagtaatt atactttagc acctgtcaag 360
 aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga 420
 agaatactgt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca 480
 aattagattt taagtatggt ttggagataa tatcaggaca gt 522

<210> 689

<211> 158

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(158)

<223> n = A,T,C or G

<400> 689
tctcaactta ntntnatacc cacacccacc caanaacagg gtttgtagg nattgtttgc 60
attaataaat taaagctcca tagggcttc tcgtcttgct gtgtcatgcc cgcctcttca 120
cgggcaggtc aatttcaactg gttaaaagta agagacag 158

<210> 690
<211> 300
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(300)
<223> n = A,T,C or G

<400> 690
tagaactcgt atttttaaac ttctattctc tanccttttc cactacatta tgacacaaga 60
ccctgcagaa agtcgtctgg aaaatatcag accatctctt acttgctcca tccaatctta 120
catcgaatta tatgcacct taaaaagtta tttggagttt taaaaaactc tattagccca 180
aattacctga aataaactcc tggcttggtc ccctaagtgt tataaaaaat tgattgaaaa 240
tattcatttt aaaaatgaag ntcttgaatt tatttaaatt actgtcttgc agtgagttgg 300

<210> 691
<211> 305
<212> DNA
<213> Homo sapien

<400> 691
ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag 60
gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg 120
taccaaagtg tgcaacctac agaccctcag gtactgcctt gtgacttctc tgtatgacat 180
cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtagggtt tggctagtgc 240
tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa 300
gacag 305

<210> 692
<211> 582
<212> DNA
<213> Homo sapien

<400> 692
caggaaatgg ataaccatit taactgtatt ttttgcagcc cgtaccttct tgggaataca 60
attgtctaac tttttatitit tgggtctggct gttgtggtgt gcaaaaactcc gtacattgct 120
atititgccac actgcaacac cttacagatg tggagatgt gaaatttgtc atcaattatg 180
actaccctaa ctctcagag gatttatattc atcgaattgg aagaactgct cgcagtacca 240
aaacaggcac agcatacaact ttctttacac ctaataacat aaagcagggtg agcgacctta 300
tctctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag 360
acagagggtgc aggttaaggat gactgatagg aaatgttgggt agttacgagt cacatcgttg 420
tctacaaatc cattttaaag gtattggagg gtgagtaaaa ccttgaatgt gaaaaacttaa 480
gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca 540
caatgatttg tgcataagac ataattgac aatttgcagt tg 582

<210> 693
<211> 275

<212> DNA
 <213> Homo sapien

<400> 693

ccaattgatt	tgatggtaag	ggagggatcg	ttgacctcgt	ctgttatgta	aaggatgcgt	60
agggatggga	ggcgatgag	gactaggatg	atggcgggca	ggatagtcca	gacggtttct	120
atttcctgag	cgtctgagat	gttagtatta	gttagttttg	ttgtgagtgt	taggaaaagg	180
gcatacagga	ctaggaagca	gataaggaaa	atgactatga	gggcgtgatc	atgaaaggtg	240
ataagctctt	ctatgatagg	ggaagtagcg	tcttg			275

<210> 694
 <211> 397
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(397)
 <223> n = A,T,C or G

<400> 694

nggtctgcat	ttttattgcg	atctgcagat	gaactggaaa	atctcatttt	acaacagaac	60
tgagacagac	gaccaccata	ttcactgagg	tctaaatttg	cagtttccac	taatgacatt	120
ttgatttccc	aacagagata	cttctgggtct	tactgcacag	tcttttaaga	gaaatacttc	180
cattatgcc	cattgtcctt	gatccgtaag	tgatgtgtta	aggtgcttca	aaggaactct	240
gacctctgaa	gtacttgagc	tacttttagta	tgtccagcct	attgcttttt	gttttagtgt	300
gtcaccataa	atatcagggg	cataaaaaggc	tatctattct	taattcaagg	ataaaacaga	360
agaagcttgt	ggtataaaac	aatagttcaa	gatccag			397

<210> 695
 <211> 609
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 695

ctgagcttcc	atttgtcagc	tagcactgng	gtagtcaacc	atgcgaatga	ggctattttg	60
gacctcatga	ttgtccagt	cctgggctga	taccngggga	aacgaaattt	tgtggctgcc	120
cacaaaatca	tggaataaa	tgatttttta	gaaaacctcc	actgnittgt	tgtgcagcaa	180
taaataactg	aaacaccaat	ccaaaaaact	tataaagcta	taacaattaa	aacagnataa	240
taatagtncc	gggatacaaa	aatgggtcaaa	ttgaagagga	tacaaagcct	caaagcagtc	300
ctcactcata	ananccttgt	tgtatcacta	aaanggcatt	aaaattgaga	anaaggaana	360
actagtggat	taattaataa	atgagaagta	tccataagga	aaaattaaaa	ttnnattctt	420
gcttcacatt	atgaaaaaat	acaaacaaca	gattgattaa	agacttaaat	gngatcaaca	480
aaatgttaaa	actgtgataa	gaacatttta	gaaaatagtt	ctatnaccct	gggataaaac	540
attttcntcc	aaggcattaa	agtgttaaat	gaaaagactg	atncatttat	tcattagaat	600
ttaaattcn						609

<210> 696
 <211> 300

0904966-0507

<212> DNA
<213> Homo sapien

<400> 696
ctgcaaaaata agcgtgctaa attaaattgt cttaaaggttt ttccacttca ttttgtgaact 60
ttgtgtgggt cgaatttctc agtattttta ccagtggtgt gatgttaaag tcaaaggctg 120
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta 180
aatagtgaat ttgtatctca tattaacatt tcaaatgctc atattgaaaa tggaaaatag 240
taaacacggg aattgatttt attctggttg tctataatac ttcattttta atgtaaatgg 300

<210> 697
<211> 391
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G

<400> 697
nngtcatgtn tgatgnatct gancagggtg ctccacaggt agctctagga gggctggcaa 60
cttagagggtg gggagcagag aattctctta tccaacatca acatcttggt cagatttgaa 120
ctcttcaatc tcttgcactc aaagcttggt aagatagtta agcgtgcata agttaacttc 180
caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta 240
ttggaaattt gttataatga atgaaacatt ttgtcatata agattcatat ttacttctta 300
tacatttgat aaagnaaggc atggttggtg ttaatctggt ttatttttgn tccacaagtt 360
aaataaatca taaaacttga acaaaaaaaaa a 391

<210> 698
<211> 536
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(536)
<223> n = A,T,C or G

<400> 698
ctgagcatatc agcaataaaa ataacataat ttttatgtgt acaatattta tggaatacgt 60
tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact 120
atacagcata gtaatagaat aatgaatgat taaagttatt aatattaggt agaaaatgaa 180
gggtatcttt gagagcagaa ctcaaggaag caagcaattt gcottatgag gaaagagtta 240
cctgtggata aaggagaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa 300
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga 360
agtaaaccat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt 420
ttaaatgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca 480
tttcaaagggt gtgtatctgg tgcactgngt agaataaata ggntatgtga gcaagt 536

<210> 699
<211> 419
<212> DNA
<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

<400> 699
 ngtcacacctg agggcaggtg acaaggacct gacagagccc atgcagggct ttagatttgg 60
 acacacaaga gttgataact tcctcatgaa ctccttgcct gatctaaact catattatgg 120
 gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac 180
 aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca 240
 ttcacctctg tttttttgtg attattttcac agataatgag accttaataa caaataggcg 300
 taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaaact tggttggctt 360
 gatatttttaa ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag 419

<210> 700
 <211> 336
 <212> DNA
 <213> Homo sapien

<400> 700
 ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg 60
 agtaccagca ccgaaaatgg gttgagggag gatgggttgt atgtatgttt ctgcccacta 120
 attttgagca gccatattat gaattaaatc gtcacagcca agtaataacc caagaatggg 180
 atgagtttca tgtgtaatat ctcaaaggga ataagcatga atgctggagt ggaccattat 240
 cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt 300
 taggcaaaat caaaagtatt tgcggcaaaa taaagg 336

<210> 701
 <211> 418
 <212> DNA
 <213> Homo sapien

<400> 701
 ccatgtgatg atgttgacaa ccctgaaga gcctcagtc attgttccac gtttaagaac 60
 taggaatacc aggactgatg caattctact gggtcactat cgcttgtcac aagacacaga 120
 caatcagacc aaagtatttg ctgtaataac taagaaaaaa gaagaaaaac cacttgacta 180
 taaatacaga tattttctgc gtgtccctgt acaagaagca gatcagagtt ttcattgtggg 240
 gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc 300
 ttgtcacatt acttacaat caactgggta gactgcagtc agtgcttttg agattgacaa 360
 gatgtacacc cccttgttct tgcgcagagt aaggagctac acagctttct cagaaagg 418

<210> 702
 <211> 261
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(261)
 <223> n = A,T,C or G

<400> 702
 gggcctgttg tgggggtggg ggaagcaggg aggggaacag ctaaataagg tgcgtgtgat 60

ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnggggtgg ttgtgttgat 120
 tcaaattatg tgtttttttg agagtcattgt cagtggtaga aatataattg ttgggacnat 180
 tagnttttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan 240
 attgagacta gtagggctag g 261

<210> 703

<211> 261

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(261)

<223> n = A,T,C or G

<400> 703

gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaattagg ttgtgttgat 60
 ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnggggtgg ttgtgttgat 120
 tcaaattatg tgtttttttg agagtcattgt cagtggtaga aatataattg ttgggacnat 180
 tagnttttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag 240
 attganacta gtagggctag g 261

<210> 704

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 704

ngtntgaatt ctattaaaga tacaaagagg agctggtacc atttcttctg aaactattac 60
 aaacaactga aaagggtgaa tttctoccta attcatttta ggaggccagc attatactga 120
 taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcaactgatga 180
 acaccaatgt gaaaatcctc aataaaatac tggcaaaactg aattcagcag cacatcaaaa 240
 agctaattca ccacaatcaa gtcagcttca tccctgcgat gcaagtctgg ttcaacatat 300
 gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt 360
 tctcaataga tgcagaaaag g 381

<210> 705

<211> 477

<212> DNA

<213> Homo sapien

<400> 705

ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60
 ctttgacagg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cgggtgctct 120
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga ttgcccagat 180
 tccttttact ttttttaacc tttccttatg agcatgcttg tgttgggttg acagtggagg 240
 taataatgac ttgttgggtga ttgtagatat tgggctgtta attgtcagtt cagtgtttta 300
 atctgacgca ggcttatgag gaggagaatg ttttcatgtt acttatacta acattagttc 360
 ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420

tttttaggta gtgggtgttg agcttgaacg ctttcttaat tgggtggctgc ttttagg 477

<210> 706
 <211> 266
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 706
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
 ggaggttagt tgtggcaata aaaatgatta aggatactan tataagagat caggntcgtc 120
 ctttagtggt gtgtatggct atcatttggt ttgaggntag tttgattagt cattgttggg 180
 tggtaattag tcggttggtg atgagatatt tggaggtggg gatcaataga gggggaaata 240
 gaatgatcag tactgcggcg ggtagg 266

<210> 707
 <211> 358
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

<400> 707
 ccatcagaga aatgcaaadc aaaaccacaa tgagatacca tctcacacca gttagaatgg 60
 caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac 120
 ttttacaccg ntgggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat 180
 tctcaagga tctagaacta gaaataccat ttgaccacgc cggccaatat tcaacattct 240
 taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgtagtga 300
 aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg 358

<210> 708
 <211> 491
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(491)
 <223> n = A,T,C or G

<400> 708
 cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcttc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtgccttc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360

4049664860

tggttataat ttttcatott tcccttgccg tactatatct attgcgccag gtttcaattt 420
 ctatgccta tactttatatt gggtaaatgg tttggctaag gttgtctggt agtaaggng 480
 gagggggtt g 491

<210> 709
 <211> 460
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

<400> 709
 nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaatct gggatgctaa 60
 atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg 120
 ctccctccaa catttacatc tttttctttt ctgactttat atattttcaa taaaaatttg 180
 ctccacagtt tttaagntca ttcttcttga atcagntttt acatttgctg ngacaaacct 240
 gcataaaact agattttata gatataactt ctttggaaga gataaaaatt caaaagtttg 300
 acattgcttt canttattct tttcttcatt gttttgattg gccctgtta gattgatgta 360
 ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaagc ncttctagt 420
 caacagtaat tgaaacttgc agttttccat taaaaaaaaa 460

<210> 710
 <211> 542
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

<400> 710
 ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg 60
 tgttcagatg taatgtaatt ggagtgaata actgtgggaa aagtggagtt cttcaggctc 120
 ttcttggaag aaacttaatg aggcagaaga aaattcgtga agatcataga tctactatg 180
 cgattaacac tgtttatgta tatggacaag agaaataactt gttgttgcat gatattctag 240
 aatcggaatt tctaactgaa gctgaaatca tttngatgt tgtatgcctg gtatataatg 300
 tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca 360
 gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat 420
 acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca 480
 cttgcaatac tgctgatgcc ccagtnagg atatctttgt taaattgaca acaatggacc 540
 tg 542

<210> 711
 <211> 394
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(394)

<223> n = A,T,C or G

<400> 711

caaaccact	ccaccttact	accagacaac	cttagccaaa	ccatttacc	aaataaagta	60
taggcgatag	aaattgaaac	ctggcgcaat	agatatagta	ccgcaaggga	aagatgaaaa	120
attataacca	agcataatat	agcaaggact	aaccctata	ccttctgcat	aatgaattaa	180
ctanaaataa	ctttgcaagg	agagccaaag	ctaagacccc	cgaaaccaga	cgagctacct	240
aagaacagct	aaaagagcac	accogtctat	gtagcaaaat	agtgggaaga	tttataggna	300
gaggcgacaa	acctaccgag	cctggtgata	gctggtgtgc	caagatagaa	tcttagttca	360
actttaaatt	tgcccacaga	accctctaaa	tccc			394

<210> 712

<211> 552

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(552)

<223> n = A,T,C or G

<400> 712

gaggtctgta	naatgccagg	ctcaaatttg	tctttataat	ttaataccag	aaatctttcc	60
cttgtgatgt	ttctttcttt	ctggattgcc	tctatagcag	gggatagcgg	gggaggataa	120
ggcacatctt	tgntgtactg	agaaatttga	ccacgcagga	tgatgtggct	gttctcattc	180
atctgcacag	agaaaaataa	tgataaaata	tccctttcct	atgtttactg	attttatggc	240
tgccataatg	gaagcctcct	tgactattta	atcctttctg	tcaactaggt	tcgatttttt	300
ttttaattta	cctgtttagag	gtatttaana	attttaacta	gctanaaata	attacattcc	360
aaaggaacac	caaggcaaat	aaatggttgg	taatcagcaa	aagaattaca	ttagttgttg	420
ntgctactta	ttagggggag	aactgttttt	ttttaaat	aaacaattta	ataatctcaa	480
ctgcaataa	tttttagatgc	agcaaaggac	tatgtagncg	ttaatacctc	atgttgatat	540
tttcataata	tt					552

<210> 713

<211> 518

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(518)

<223> n = A,T,C or G

<400> 713

ccaaaaactg	gaagcagctc	actaaacaaa	cagtggcata	cccatagaac	tgcatacttc	60
tcagcagtat	gaaagaatga	gctacttata	taagcatcat	tgataaacct	caaaaaaaaa	120
atgccacatg	aanaaaccca	aagggganaa	acataaaaac	tttatatgtc	agtcataata	180
aattctanaa	aatgcaaact	aatccatcnt	aaaggaaagt	aatcaacag	ttgtctggag	240
gaccananag	agcaggagga	ganagattat	taaaggggtt	aaagtaaatt	tgggagtgcc	300
cttcnntttt	taaatnctat	gaaaatgaaa	gtaaaggcnc	atgcatgttg	taaactaata	360
gtaacaaaaca	naatgggttg	gagtggggtg	ttgtctgggg	acatcattac	aaaatgtaag	420
ccagtttatn	taaattttga	aaagaccgtg	gactctgato	tgactgatna	atgttggaag	480
agataagtgt	gctgcaaattg	ggggaattaa	taaaaacag			518

<210> 714
 <211> 281
 <212> DNA
 <213> Homo sapien

<400> 714
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtagac c 281

<210> 715
 <211> 443
 <212> DNA
 <213> Homo sapien

<400> 715
 cttgaaatca gcaacacact tacaaatgag aaaatgaaaa tagaagagta tataaagaaa 60
 gggaaagagg attatgaaga gagtcacacag agagctgtgg ctgcagaggt atccgtactt 120
 gaaaactgga aggagagtga agtggtataag ctacagatca tggagtcaca agcagaagcc 180
 tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct 240
 gatatacgtt catgggaatt gtttctttct aatgttacaa aagaaattga gaaagcaaag 300
 tctcagtttg aagaacaaat taaggcaatt aaaaatgggt cccggctcag tgaactttct 360
 aaagtgcaga tttctgagct ttcatttcct gcctgtaaca cggttcatcc cgagttactc 420
 cctgagtcct caggccacga tgg 443

<210> 716
 <211> 639
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(639)
 <223> n = A,T,C or G

<400> 716
 ccaanaaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaac 60
 aacagtttga gcaaagacta atgcagttta tggaatcaga gcagaaaagg gtgaacaaag 120
 aagagtctct acaaatgcag gttcaggata ttttgagca gaatgaggct ttgaaagctc 180
 aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag 240
 aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattctttag 300
 caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga 360
 atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg 420
 ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat 480
 tgctggaaga gcaactacaa catgaaattt caaacnaaat ggaagaattt angattctaa 540
 atgacaaaaa canagcatta aaatcagaag ttcagaagct gcagactctt gtttctgcac 600
 angcctaata aggatgntgn ggaacaaatg gaaaaattg 639

<210> 717
 <211> 473
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

<400> 717

nntgaggcta	ctgctgtttt	attacaacat	tacctcttgt	ttttataaag	tgtaccaaga	60
tttaaattga	taactttatt	ttacttgaaa	aaaaaaagt	tnntttatca	ccagtgttac	120
agttgtcttc	tgtttctttt	tgttttgntt	tatttgnttt	ccttttttagc	caaagagtga	180
acagaanatt	ttcttatttt	ggtggctatt	cattttactt	ttaaaagtga	ttggtggatt	240
ttagactaat	tatgggggaa	tttgccacca	aaataaaaaa	tatgtaaagn	gtagtgatta	300
cagagtgggt	aaaatgtggg	ttagtactta	tttattccat	taattgatta	tttgactgtt	360
tataaagaaa	gttgctttat	ttctttaaac	atcttcaaaa	gatgatcctt	tcttgtcaca	420
ttatagccaa	aagaagcaga	gaacttcact	gtctgcattt	ggttcctggt	tgg	473

<210> 718
 <211> 207
 <212> DNA
 <213> Homo sapien

<400> 718

ggtaaagtgt	agtataatat	ttaccatctc	acttctagga	atactagtat	atcgctcaca	60
cctcatatcc	tccctactat	gcctagaagg	aataatacta	tcactgttca	ttatagctac	120
tctcataacc	ctcaacaccc	actccctctt	agccaatatt	gtgcctattg	ccatactagt	180
ctttgccgcc	tgccaagcag	cggtagg				207

<210> 719
 <211> 255
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(255)
 <223> n = A,T,C or G

<400> 719

cctatattac	ggatcatttc	tctactcaga	aacctgaaac	atcggcatta	tcctcctgct	60
tgcaactata	gcaacagcct	tcataggcta	tgtcctcccg	tgaggccaaa	tatcattctg	120
aggggccaca	gtaattacaa	acttactatc	cgccatccca	tacattggga	cagacctagt	180
tcaatgaatc	tgaggaggct	actcagtaga	cagncccacc	ctcacacgat	tctttacctt	240
tcacttcatc	ttgcc					255

<210> 720
 <211> 455
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 720

ccaatgtcga	aacctacaag	atttccttaa	aatctctaata	agaggcatta	cttgctttca	60
attgacaaat	gatgccctct	gactagtaga	tttctatgat	ccttttttgt	cattttatga	120
atatcattga	ttttataatt	ggtgctat	gaanaaaaaa	atgtacattt	attcatagat	180
agataagtat	caggtctgac	cccagtgga	aacaaagcca	aacaaaactg	aaccacaaaa	240
aaaaaggctg	gtgttcacca	aaaccaaact	tggttcattta	gataatttga	aaaagctcca	300
tagaaaaggc	gtgcagtact	aagggaacaa	tccatgtgat	taatgnttnc	attatgttca	360
tgtanaaagc	cccttatatt	tagccataat	tttgcatata	gaaaatccaa	taatcagaaa	420
agtaattttg	ccacattatt	tatnaaaaat	gttcc			455

<210> 721

<211> 530

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 721

ccagtgcctg	ctgccgtggt	ttagtgattg	ggtgttagaa	ataaaaactc	aggtctat	60
cttaccagtc	agtaacaatt	tttagagaat	gtacttggtg	tataatat	ggacttcagg	120
aactttattg	ggngggggg	ttaattttgc	cttaccctgt	tcactttcag	atgattaggc	180
ttttgcaatt	tagaatgaga	aacttgtgac	gtagtggtgt	tcttactagc	tttaatttgt	240
atgtagcaat	gaattgtgaa	tcttagtgca	gtgggttttt	ttaaaaaact	caaaaagctg	300
ggaattaagt	ggtttcagta	ataatgctat	accgaggtgc	ttgcattgta	tttcataatt	360
ttgttacaaa	ccaaaattat	ttttaatgan	aacggtcttg	ggttcagagg	tgtgatgcca	420
gaatgtat	tcgtactgtt	aggcccttgg	aacagatacc	ggtgctttct	tgaaagatga	480
aagaaatgca	atgggtgctc	ttcatgcaag	gttgcaaacc	taccaagaat		530

<210> 722

<211> 242

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(242)

<223> n = A,T,C or G

<400> 722

ccaaggggtc	tgatggcagg	agtaatcana	ggtgntcttg	tggtgtgata	agggngggaga	60
ggttaaagga	gccacttatt	agtaatggtg	atagtagaat	gatggctagg	gtgacttcat	120
atgagattgt	ttgggctact	gctcgcagtg	cgcgcagtcag	ggcgtagttt	gagtttgatg	180
ctcatcctga	tnagaggatt	gagtaaaccg	ctaggctaga	ggtggctaga	ataaatagga	240
gg						242

<210> 723

<211> 472

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature
 <222> (1)...(472)
 <223> n = A,T,C or G

<400> 723
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gccgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtcgccctc nacctataaa tcttcccaact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt 420
 ctatcgcccta tactttattt gggtaaatgg tttggctaen gttgtctggt ag 472

<210> 724
 <211> 292
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(292)
 <223> n = A,T,C or G

<400> 724
 nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttgtttt 60
 ataagttttc acncaatata caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga 120
 tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga 180
 gaaaggagta cctggcatga gtacctgctt agttnngactg aatccttgat ttttaatttg 240
 gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag 292

<210> 725
 <211> 122
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(122)
 <223> n = A,T,C or G

<400> 725
 atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa 60
 ngaagtaaca aaaacctggc ctgcangngg ncccctatcc cgtggctcca tggntgatgt 120
 gg 122

<210> 726
 <211> 477
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(477)

<223> n = A,T,C or G

<400> 726

ctgaaccctc	gtggagccat	tcatacaggt	ccctaattaa	ggaacaagt	attatgctac	60
ctttgcacgg	ttagggtagc	gcggccgtta	aacatgtgtc	actgggcagg	cggtgcctct	120
aatactgggtg	atgctagagg	tgatgttttt	ggtaaacagg	cggggtaaga	tttgccgagt	180
tccttttact	ttttttaacc	tttccttatg	agcatgcctg	tggtgggttg	acagtgaggg	240
taataatgac	ttgttgggtga	ttgtanatat	tgggctgtta	attgtcagtt	cagtgtttta	300
atctgacgca	ggcttatgcg	gaggagaatg	ttttcatggt	acttatacta	acattagttc	360
ttctataggg	tgatagattg	gtccaattgg	gtgtgaggag	ttcagttata	tgtttgggat	420
tttttaggta	gtgggtgttg	agcttgaacg	ctttcttaat	tggcggctgc	ttttagg	477

<210> 727

<211> 416

<212> DNA

<213> Homo sapien

<400> 727

cctgtctttg	aatggatgaa	atagggttaat	aaaaaacatc	actgttttaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atggtacttt	caacacttaa	120
taacactatt	tcaattaagt	tttctcctag	agtttatagt	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattcca	aatcttactg	gcaggttctc	ttaaattcct	240
caacggctgc	catagtgatt	aaccaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccaaca	gcttttaata	gtctgg	416

<210> 728

<211> 416

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(416)

<223> n = A,T,C or G

<400> 728

cctgtctttg	aatggatgaa	atagggttaat	aaaaaacatc	actgttttaa	aactagaaca	60
ctgaaaaatt	ctaggaaagc	ttattttccc	ttatatTTTT	atggtacttt	caacacttaa	120
taacactatt	tcaattaagt	tttctcctag	agtttatagt	atatcagtac	attcttttct	180
gtggatgcaa	taatatagaa	tcttattcca	aatcttactg	gcaggttctc	ttaaattcct	240
caacggctgc	catagtgatt	aaccaaaatt	agttatgatt	tctgcctatc	tgtgtgagaa	300
cttacagggg	aaattgttct	aaacctgagg	aacatgaagt	aactgtactg	cacactccaa	360
atgatgacag	tcattttata	tcaccttcaa	ttaccaaca	gcttttaata	ntctgg	416

<210> 729

<211> 564

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(564)

<223> n = A,T,C or G

<400> 729

ctgtgagtag	aggagtcttc	ccgagagtag	cagttgttga	tccaaatgat	tgaagccttc	60
aggtaagggg	ataactgctg	caggaattct	ttcttgaaga	atttaagctg	tttggttaaga	120
attctgtaac	tacatacctt	tgaaacacta	ttcacattca	aataaacgct	tgttttctag	180
ccaggcacag	gctcaattag	tttttcaaac	tctagccaag	gcagtatttc	atttgggaaa	240
tcatgcaaca	gaactgctca	attcttaact	tctcctgctg	ttaacattta	cacttagact	300
gccagcaaca	gttaacttaa	attttggtct	caagggaaca	aaaaaaaaatt	gcattcagaa	360
tttaatatag	tattttaaaa	ctaattttag	cctgtaagnc	attatgagca	atagtaactt	420
ttatacctcc	tcatcttgnc	tgataatata	ttctatatgc	tgncaatctg	attatatagt	480
ctatatgcta	gaagttgctg	attttcattc	tgccaacaaa	aaaaactgtc	cttttttttt	540
tatgggggaa	aaaggaatt	taaa				564

<210> 730

<211> 310

<212> DNA

<213> Homo sapien

<400> 730

ccatttttat	ttcttcttca	gagaagtgtt	tatttaggtc	tggtgcccat	tttacaatta	60
ggccatatgt	tttcttgctg	ttgagttgta	tgtgtgtttg	tataaatitt	gcataattaac	120
cccttatcac	acgtatgttt	tttaaaataa	attttgctta	ttaatctttt	atcagatgta	180
tggtttccaa	atatattctt	ccgatccatg	gattctcttt	tttgttatga	ttgtttcttt	240
gctcttcgga	agctttttgt	tttgttttgt	tatttgtttt	actttgatat	agtcccattt	300
attgtttttg						310

<210> 731

<211> 467

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(467)

<223> n = A,T,C or G

<400> 731

ngacaacctt	agccaaacca	tttaccctaaa	taaagtatag	gcgatagaaa	ttgaaacctg	60
gcgcaataga	tatagtaccg	caagggaag	atgaaaaatt	ataaccaagc	ataataaagc	120
aaggactaac	ccctatacct	tctgcataat	gaattaacta	gaaataactt	tgcaaggaga	180
gcaaagcta	agacccccga	aaccagacga	gctacctaag	aacagctaaa	agagcacacc	240
cgtctatgta	gcaaaatagn	gggaagattt	ataggnagag	gcgacaaacc	taccgagcct	300
ggtgatagct	ggttgtccaa	gatagaatct	tagntcaact	ttaaatttgc	ccacagaacc	360
ctctaaatcc	ccttgtaaat	ttaactgnta	gnccaaagag	gaacagntct	ttggacacta	420
ggaaaaaacc	ttgtagagag	agtaaaaaat	ttaacaccca	tagtagg		467

<210> 732

<211> 492

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(492)

<211> 216

<212> DNA

<400> 735

<210> 736

<212> DNA

 $\langle 220 \rangle$

<222> (1) ... (285)

<400> 736

<210> 737

<212> DNA

 $\langle 220 \rangle$

<222> (1) ... (509)

<400> 737

<210> 738

<212> DNA

<400> 738

gccgccagtg tgatggatat ctgcagaatt cgccctt

97

<210> 739
 <211> 209
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(209)
 <223> n = A,T,C or G

<400> 739
 ccgncagtgt gatggatatc tgcagaattc gcccttagcg gcccgcccgg gcaggggtcct 60
 tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag 120
 atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatTTTTT 180
 aaatcctgag gactagcatt aattgacgg 209

<210> 740
 <211> 164
 <212> DNA
 <213> Homo sapien

<400> 740
 ccaagctaata ggggtgacact gtgaatgcaa ctctaatagca gcctggcgta aatgggtccta 60
 tgggcaactaa ctttcaagtt aacacaaaaca gaggagggtgg tgtgtgggaa tctgggtgcag 120
 caaactccca gagtacatca tggggaagtg gaaatggcgc aaat 164

<210> 741
 <211> 514
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(514)
 <223> n = A,T,C or G

<400> 741
 ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg 60
 gaagaaaaag aagataaggt gnttcattaa taatctttta tattgattac atgttgaaat 120
 gatattttta atatactggg ttacataaac tggtattaag attaatTTTg cttgtttcctt 180
 ttttaatatg gctactagaa aattaaaaat tatgttgttg ttcacattat atttctgttg 240
 aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatac 300
 ttttaagcac tctgggggtac taacttgaac tcccagaaac ccataagcac actctgcata 360
 taaattattg caaaattcat tcttatctct ctgaaagata tgcatttttaa gggtaaaaag 420
 aattcacaaa atattganc ttaacaaat gtcaattagt atatggagag agctaaagga 480
 cttcntgtag actggtncat tggggaaaaa caga 514

<210> 742
 <211> 439
 <212> DNA
 <213> Homo sapien

TC050-02364360

<220>
 <221> misc_feature
 <222> (1)...(439)
 <223> n = A,T,C or G

<400> 742

gcaggctcta	tgcatagtta	ataaggnta	taatctactc	aacatggaaa	atgggagcct	60
atttgcaaac	acacgagtaa	ttaaagtacc	aattctctct	tagtttcttt	ttttatagtt	120
ggnntatttt	gcaattataa	atgntaaaca	tccctagaga	tgaaagttaa	aatggctgat	180
cacagatcag	tagcaaaaata	caaattgaca	attcaaaaatt	ataaataaaa	ctctgttgag	240
gatgtttaac	tttgagcctc	caaatttaag	agctaagctt	ggaagaaaca	aatttatagg	300
ttatatttcc	ctcttaaatt	aaaaaacaaa	cttcctctgg	cagtagnttg	tgaattcctt	360
tcattgnaat	gataccatga	ttacaggatc	aaaaatgctt	aacttacttg	ccattctgct	420
cacatcatca	cagttgttt					439

<210> 743
 <211> 275
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(275)
 <223> n = A,T,C or G

<400> 743

cangacgcta	cttcccctat	catagaagag	cttatcacct	ttcatgatca	cgccctcata	60
gtcattttcc	ttatctgctc	cctagtctctg	tatgcccttt	tcctaacact	cacaacaaaa	120
ctaaactaata	ctaacatctc	agacgctcag	gaaatagaaa	ccgtctgaac	tatcctgccc	180
gccatcatcc	tagtctcat	cgccctccca	tcctacgca	tcctttacat	aacagacgag	240
gtcaacgata	cctcccttac	catcaaatca	attgg			275

<210> 744
 <211> 295
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(295)
 <223> n = A,T,C or G

<400> 744

ctgtnctttt	aaaaaatctg	gatgtttttt	atttagtgat	tgttcgacaa	ttagctgctt	60
caaaacataa	tgtgcattgc	ttatgaatgc	cttcatatac	taatacagat	actctgataa	120
tattacactc	taataaggat	aatgctgaat	tttgaaagga	cacaaaacat	ctaattgcaa	180
tatatacatg	attagccaac	atctttgcta	tcaagaccac	tcgtttttta	ataaagatgc	240
aagtgtcagt	tgtagattat	tgggatgaag	ctaaatcccc	agaatgcagc	agcag	295

<210> 745
 <211> 477
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G

<400> 745

cgcgttactg	tacatattgc	tagcaggaga	caactggaaa	tactaaacaa	atactggaat	60
tcacattaca	gacagacgaa	accaacatgg	atgccacaca	taacttcctt	tgtagtttca	120
cagagagcct	atttgtggtt	gctcagggtg	ggtcatacat	tgcttgacga	aatggcctga	180
tcatagctct	atgaaacaat	gaattcggaa	tgaaatctta	ccatgacacc	tctctgtagg	240
aaagaaatgt	tgcttcacgt	gtgctaagtt	gagataataa	tatttcacat	atttatatac	300
agagaatcac	tctcaaattt	aacccaagat	aagcaatagg	atttgggggt	gacttgtaga	360
catttctaac	aacacttttc	ttttttctag	aggtcactct	caaacactga	tatatcacta	420
tagtttgagt	gtanggattc	agtaatcaaa	ggttggttatt	gcaaaagagc	caggcag	477

<210> 746
 <211> 524
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> n = A,T,C or G

<400> 746

ctgtgaaatt	gggttgggag	agccaaaata	ctttacaact	tcagaccgga	gaaaaggcca	60
gaggtgtgaa	gttagactct	atgatgaaac	agagtcgtct	tttgcgatga	catggtggga	120
taatgaatcc	attctacttg	cacagagctg	gatgccacga	gaaacagtaa	tatttgcctc	180
agatgtaaga	ataaattttg	acaaattttc	gaactgcatg	acagcaactg	taatctcaaa	240
aaccattatt	acaactaatc	cagatatacc	agaagctaac	attctgctga	attttatacg	300
agaaaataaa	gaaacaaatg	ttctggatga	tgaaattgac	agttatttca	aagaatccat	360
aaatttaagt	acaatagtgt	atgtctacac	agntgaacaa	ttaaagggaa	aagctttgaa	420
gaatgaagga	aaagctgata	cttcctatgg	catcctttat	gcctacattt	ccacactcaa	480
cattgatgat	gaaactcaaa	agtagttcga	aatagatggt	ccag		524

<210> 747
 <211> 456
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(456)
 <223> n = A,T,C or G

<400> 747

cctcagttct	tgattgtggt	tgacggggcg	tcaccatgaa	ggagccatt	tagtataaag	60
cttccaacct	tttctcttaa	tcgtttcttt	aatcttttaa	accatcttca	agtgcataag	120
ggagtttccg	atgccagagg	atgaaagcaa	gtgctttctc	caccctctcc	tcccagagt	180
aaaacaaatc	cttttgctga	tacttgtttc	aaaagcatcc	attgtaaagc	ttctcagtga	240
cacaaaatac	tgagaggtaa	cttttttatca	atcaaaocac	atacccaat	ttaacacctt	300
tcagtgtctc	gaattcaact	gacagactaa	aggggtgttc	ctgtaacagt	ctgaaatatt	360
aagtgttttt	tttgttttgt	ttttaaatct	tatttcagaa	aacttcctct	nggggttaga	420

aagtacacat gaagcagcaa agtaacgaag aaaaac

456

<210> 748
 <211> 474
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 748
 ccanaccagg gaaccaaagt cagacagnga agttctctgc ttcttttggc tataatgnga 60
 caagaaagg atcatctttt gaagatgttt aaagaaataa agcaactttc ttataaaca 120
 gtcaaataat caattaatgg aataaataag tactaaccga cattttaacc actctgtaat 180
 cactacactt tacatatatt ttatttnggn ggcaaantcc cccataatta gtctaaaatc 240
 caccaatcac ttttaaaagt aaaatgaata gccacaaaaa taagaaaatc ttctgttcac 300
 tctttggcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa 360
 cactggtgat aaaagaaact ttttttttac aagtaaaata aagttatcaa tttaaatctt 420
 ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag 474

<210> 749
 <211> 355
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(355)
 <223> n = A,T,C or G

<400> 749
 cctgggttna gnggctgact gnaacctcca ctctctgttc tcaggcaatc ctctgcctc 60
 agcctcctta gttagctgga ctacaggagt gtgcaacat gcccaactaa tttttgtatt 120
 tttaatagag acagggtttc accatgttga tcagggttgg ctccaactcc tgacctcagg 180
 tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgcccg 240
 gnccaggata aagtaaaaaa ttgtaagcac acaaggccct ttgcaacctg gctcctggtt 300
 actactttta ncctcctgcc ctcccaaagt tntcactgt ttttctanac atacc 355

<210> 750
 <211> 493
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

<400> 750
 ccattgctgt ctggaactcc tgaactcagg tgatccacc gcctcagtct cccaatagat 60
 tacatatatt attaatgaat tgcttccttt aacacctat tcattgaatt ttccagtaaa 120
 ccacaattac taattactcc tgaaatcaga aaagagggtta aaaagatttt ataacagtat 180

TC050 "050394" 050394

cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag 240
 ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaattat 300
 atttgcactt gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag 360
 agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagcttttt 420
 gtatgctggg aactaatttt aatttcctac attnttatgg agattttctgc tattcttctgc 480
 ctattttcca cct 493

<210> 751
 <211> 364
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(364)
 <223> n = A,T,C or G

<400> 751
 cgaggtctgg naaggtcacc aagtctgccc aganagotca gaaggctaaa tgaatattat 60
 ccctaatacc tgccacccca ctcttaatca gtgggtggaag aacggctctca gaactgtttg 120
 tttcaattgg ccatttaagt ttagtagtaa aagactgggtt aatgataaca atgcatcgta 180
 aaaccttcag aaggaaagga gaatgttttg nggaccactt tggttttctt ttttgctgtg 240
 ggcagtttta agttattagt ttttaaaatc agtacttttt aatggaaaca acttgaccaa 300
 aaatttgtca cagaattttg agaccatta aaaaagttaa atgagataaa aaaaaaaaaa 360
 cntg 364

<210> 752
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 752
 ctggattatg ggttggnatt ggtcatatgt tagactccat acaggcatag ctatgatgca 60
 gtgaatccct tagaagttac aattctcaaa ttacatactt cctcagatgt aacattagaa 120
 ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta 180
 acttgtagcc tcagtaatat gacatacttg cctttaacaa attatctcaa attaactaac 240
 agaccttcag aaaatggaga ttctttttga tggggacata atcaaattta agtctgagaa 300
 atatgcttaa cagttggaac tcaaattaaa tgtactgatt ttaaagttaa gacattaaca 360
 agtgatanat tagcctcaaa aaaagacaat ttgnaaggn ttaggtcttt taatttggtg 420
 cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa 480
 ttctattttc agtaaatg 498

<210> 753
 <211> 467
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature

<222> (1)...(467)
 <223> n = A,T,C or G

<400> 753
 nacaacctta gccanaacca tttacccaaa taaagggata ggcgatagaa attgaaacct 60
 ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag 120
 caaggactaa cccctatacc ttctgcataa tgaattaact agaaataact ttgcaaggag 180
 agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac 240
 ccgtctatgt agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc 300
 tgggtgatagc tggntgncca agatagaatc ttagntcaac tttaaatttg cccacagaac 360
 cctctaaatc cccttgtaaa ttttaactgtt agtccaaaga ggaacagctc ttggacacna 420
 ggaaaaaacc ttgcagagag agtaaaaaat ttaacaccca tagtagg 467

<210> 754
 <211> 196
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(196)
 <223> n = A,T,C or G

<400> 754
 gtcattgttca agtgtnttaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta 60
 cttataactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt 120
 tcagttatat gtttgaggatt ttttaggcag tgggtgttga gcttgaacgc tttcttaatt 180
 ggtggctgct tttagg 196

<210> 755
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 755
 ctggaaagga ttctgtacat ataagacatc aaatattgag ggatactgga actttttaa 60
 taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta 120
 caaaaaaaaaa gtttaaaatt tttcttggcc ccagtcctat catttctgag ccaaatacaa 180
 ttctatcgaa atcacctgaa actgaaatca ccattctagg ctggttttcc cataaagatg 240
 gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt 300
 cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg 360
 tgataataaa gtaatgaccg c 381

<210> 756
 <211> 341
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(341)
 <223> n = A,T,C or G

<400> 756

```
<210> 757
<211> 479
<212> DNA
<213> Homo sapien
```

<400> 757

```
<210> 758
<211> 267
<212> DNA
<213> Homo sapien
```

<400> 758

```
<210> 759
<211> 449
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(449)
<223> n = A,T,C or G
```

<400> 759

cgaggtcttg	aaatcagcaa	cacacttaca	aatgagaaaa	tgaaaataga	agagtatata	60
aagaaaggga	aagaggatta	tgaagagagt	catcagagag	ctgtggctgc	agaggatatcc	120
gtacttgaaa	actggaagga	gagtgaagtg	tataagctac	agatcatgga	gtcacaagca	180
gaagcctttc	tgaagaagct	ggggctgatt	agccgtgata	ctgcagcata	tcccgacatg	240
gagtctgata	tacgttcatt	ggaattgttt	ctttctaatg	ttacaaaaga	aattgagaaa	300
gcaaagtctc	agtttgaaga	acaaattaag	gcaattaaaa	atggttcccg	gctcagtga	360
ctttctaaag	ngcagatttc	tgagctttca	tttcctgcct	gtaacacggt	tcatcccgag	420
ttactccctg	agtcttcagg	ccacgatgg				449

<210> 760

<211> 414

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(414)

<223> n = A,T,C or G

<400> 760

ccatnaactg	gaagcagctc	actaaacaaa	cagnnggcata	cccatagaac	tgcatacttc	60
tcagcagtat	gaaagaatga	gctacttata	taagcatcat	tgataaacct	caaaaaaaaa	120
atgccacatg	aagaanccca	agggggagaa	acataaaaaa	tttatatgnc	agncatataa	180
aattctagaa	aatgcaaact	aatccatcnt	aaaggaaagt	aatcancag	ttgtctggag	240
gaccanagag	agcaggagga	gagagattnt	taanggggtt	aaagtaaatt	ngggagtgcc	300
cttccatttt	taaatnctat	gaaaatgaaa	gtaaaggccc	ntgcatgttg	taaactaata	360
gtaacaaaca	gattgggttg	gagtgggggtg	ttgtctgggg	acatcattac	aaan	414

<210> 761

<211> 428

<212> DNA

<213> Homo sapien

<400> 761

gagcctcact	aaaataacag	atttcagtat	agccaagtto	atcagaaaga	ctcaaattgga	60
atgatattaca	agatagaaca	ctttaaacca	ggtcagtcct	atctttttgt	agctgaaggc	120
tatcagtcac	aacacaattt	cgcgtaacac	tctgctcatt	atggaattac	acttaaaacg	180
aatctcaaga	gggtgacct	tggtgtttca	gataccatcc	ctaaggagag	tggttaacag	240
gaagattgcc	agtgttactg	atggaaagaa	gtgtttgttt	gttttttttc	ttgtcaaaga	300
cttacaccat	agtttttaaat	taaactgtca	ggcattttct	cagacaggtt	ttccttttca	360
atgcagtaat	gaagaactaa	gataaaaatc	atgacttttg	actgccactc	aacattatta	420
catgcacc						428

<210> 762

<211> 574

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(574)

<223> n = A,T,C or G

TOE050"92964960

caggctctgaa	ctgataagta	ttaagagacg	tttgttgcta	gttaagngtt	ccagttgaga	60
gttcgaagtg	aaaacctggg	ctctttacca	gtgttgagtg	agaagattta	tttctctttc	120
ctctgaattt	accacatgta	acatcacaga	gacatgtaga	gttcctttag	gatttgcgat	180
ttgaaccagn	ccagttctgat	tttcaggtga	attctgtgaa	gagcttgatg	ggggaagtct	240
gaagacagaa	ggaattaggg	aaaagggtga	tacttacaga	gtaaagggaa	taaatgaaaa	300
gataatggta	tttttggtag	ccacagggaa	atagcaggag	gggactggag	atcacacaca	360
cgcacacgca	cacacacaaa	cacacacaca	cgctaaaact	caaactaaaa	acctcccaaa	420
ggagctgtct	tgtttgcaga	cttcaattng	aagtgcatac	taagggcaag	aatagaccag	480
ttaaaattca	ccctgaaaatc	tcttccocann	cttcaaatgt	gctaaaatat	cactgtcagc	540
ttagcatctc	tncatgtatg	tatatataga	tgta			574

<213> Homo sapien

$\langle 223 \rangle$ n = A, T, C or G

cctactatgg	gtgttaaaat	tttttaactct	ctctacaagg	ntttttccta	gtgtccaaag	60
agctgttcct	ctttggacta	acagttaaat	ttacaagggg	atthagaggg	ttctgngggc	120
aaatttaaag	ttgaactaag	attctatctt	ggacaaccag	ctatcaccaag	gotcggtagg	180
tttgtcgcct	ctacctataa	atcttcccac	tattttgcta	catagacggg	tgtgctcttt	240
tagctgttct	taggtagctc	gtctggtttc	gggggtctta	gctttggctc	tccttgcaaa	300
gttattttcta	gttaattcat	tatgcagaag	gtataggggt	tagtccttgc	tatattatgc	360
ttggatataa	tttttcatct	ttcccttgcg	gtactatata	tattcgccca	ngtttcaatt	420
tctatcgccct	atactttatt	tgggtaaatg	gtttggctaa	ggtttg		465

<213> Homo sapien

```
ctgtcaatta atgctagtcc tcaggattta aaaaataatc ttaactcaaa gtccaatgca      60
aaaacattaa gttggtaatt actcttgatc ttgaattact tccggttacga aagtccttca      120
cattttttcaa actaagctac tatatttaag g                                151
```

<213> Homo sapien

gaagagctta	tcacctttca	tgatcacgcc	ctcatagtc	ttttccttat	ctgcttccta	60
gtcctgtatg	cccttttcct	aacactcaca	acaaaactaa	ctaatactaa	catctcagac	120
gctcaggaaa	tagtaaccgt	ctgaactatc	ctgcccgcca	tcatcctagt	cctcatcgcc	180
ctccccatcc	tacgcatcct	ttacataaca	gacgagggtc	acgatccctc	ccttaccatc	240
aaatcaattq	q					251

<210> 766
 <211> 375
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(375)
 <223> n = A,T,C or G

<400> 766
 cgaggtctgn cctcctgggt cttcatccat tattaacaga agagcatact ggtttcggtc 60
 cataaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat 120
 ttttaatttct ggcttttcta tcttcttctt caggatagct tccttcagca tagaattgtt 180
 ttccaatata aaatatattt ctgggttggt cgtactatgt aggtcgacca ctgggaccct 240
 tggaccttca cagaataata agaaatgttg attcatggga ctaaaactgg catcaaaata 300
 tgtacattgt tctttcatga aattacatga aatgcattgg cgattcaata atccttcagt 360
 agaagcactg tacag 375

<210> 767
 <211> 485
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(485)
 <223> n = A,T,C or G

<400> 767
 cgaggtctga accctcgtgg agccattcat acaggtccct aattaaggaa caagtgatta 60
 tgctaccttn gcacgggttag ggtaccgcgg ccggttaaac atgtgtcact gggcaggcgg 120
 tgccctctaat actgggtgat ctagagggtga tgtttttggn aaacaggcgg ggtaagattt 180
 gccgagttcc ttttactttt tttaaccttt ccttatgagc atgcctgtgt tgggttgaca 240
 gtgagggttaa taatgacttg ttggtgatg tagatattgg gctgttaatt gtcagttcag 300
 tgttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tataactaaca 360
 ttagttcttc tatagggtga tagatnggtc caattgggtg tgaggagntc acttatatgt 420
 ttgggatttt ttaggtaagn ggggtgttgag ctigaacgct ttcttaattg ggggctgctt 480
 ttang 485

<210> 768
 <211> 379
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(379)
 <223> n = A,T,C or G

<400> 768
 ctgatattct attaaagata caaagaggag ctggnaccat ttcttctgaa actattacaa 60
 acaactgaaa aggtggaatt tctccctaatt tcattttagg aggccagcat tatactgata 120
 ccaaaacctg gcagagggtac aataataaaa ggaaacttca agtcagtatc actgatgaac 180

034950.034950

accaatgtga aaatcctcaa taaaatactg gcaaactgaa ttcagcagca catcaaaaaag 240
 ctaatccacc acaatcaagt cagcttcac cctgcgatgc aagtctgggt caacatatgc 300
 aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc 360
 tcaatagatg cagaaaagg 379

<210> 769
 <211> 518
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(518)
 <223> n = A,T,C or G

<400> 769
 cgagggtccat atgatgatca gtctatatag ttttaaggcgc agatacacaa attttcaaaa 60
 atatgggttag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcactggagg 120
 gaggctttat tgtttgtgaa aacatgttgt catcactttt tgctttaagc ccttgggtgg 180
 gaaataactc aaaccattct tccttatgct gaagatcgag aaccccaagt atcacatcta 240
 ccattccact catcaatgtg attgggtcagt ctttgctgag gncctgcata gccagtttta 300
 aagtttagagt tcttgcatat acatatgaaa aggcattgta cttgtgcttt caaagagctt 360
 tttgcttggg gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atgggtggtag 420
 tttcatcgag atgatgggaa agaattgata agataaagcn gaaagatgag cagaattttc 480
 agattgggtg tggaaagagc acttaagaaa gaggggtgg 518

<210> 770
 <211> 378
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(378)
 <223> n = A,T,C or G

<400> 770
 tatgggtcct gagtgtggaa tataagataa caagacaatt cccttgcttt caagggaat 60
 cacactttat aaaactttga attcttgaaa tgggtttcag aggttccaag gtcaaattca 120
 agaataagag ttaagaagaa aaagactatg agaaaggaag tngtgacccc atttgcat 180
 aaatggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atatttttga 240
 gatattgcaa cttgctctct ctctttgcc cccaccctt tgnatgctc tgtttttggg 300
 ctgaattggc aagaaaaatg gctggagggc tggagaagn tggacccttc ttccttcttc 360
 cttcttcttc ctttctcc 378

<210> 771
 <211> 207
 <212> DNA
 <213> Homo sapien

<400> 771
 cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
 tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180

ctttgcggcc tgcgaagcag cggtagg

207

<210> 772

<211> 384

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(384)

<223> n = A,T,C or G

<400> 772

cctactatgg	gtgttaaatt	ttttactctc	tctacaaggt	tttttcctag	tgtccaaaga	60
gctgttcctc	tttgactaa	cagttaaatt	tacaagggga	tttagagggt	tctgnngggca	120
aatttaaagt	tgaactaaga	ttctatcttg	gacaaccagc	tatcaccagg	ctcggtaggt	180
ttgtgcctc	tacctataaa	tcttcccact	attttgctac	atagacgggt	gtgctctttt	240
agctgttctt	aggtagctcg	tctggtttcg	gggtcttag	ctttggctct	ccttgcaaag	300
ttatttctag	ttaattcatt	atgcagaagg	tataggggtt	agtccttgct	atattatgct	360
tggttataat	ttttcatctt	tccc				384

<210> 773

<211> 182

<212> DNA

<213> Homo sapien

<400> 773

cccttttctt	aacatcaca	acaaaactaa	ctaatactaa	catctcagac	gctcagggaa	60
atagaaacog	tctgaactat	cctgcccggc	atcatcctag	tcctcatcgc	cctcccatcc	120
ctacgcatcc	tttacataac	agacgaggtc	aacgatccct	cccttaccat	caaatacaatt	180
gg						182

<210> 774

<211> 191

<212> DNA

<213> Homo sapien

<400> 774

ccatggctag	gtttatagat	agttgggtgg	ttgggtgtaa	atgagtgagg	caggagtccg	60
aggaggttag	ttgtggcaat	aaaaatgatt	aaggatacta	gtataagaga	tcagggttcgt	120
ccttttagtgt	tgtgtatggc	tatcatttgt	tttgaggtta	gtttgattag	tcattgtttg	180
gtggttaatta	g					191

<210> 775

<211> 192

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(192)

<223> n = A,T,C or G

<400> 775

T.O.E.S.O. 9794350


```
<220>
<221> misc_feature
<222> (1)...(277)
<223> n = A,T,C or G
```

```
<210> 780
<211> 328
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(328)
<223> n = A,T,C or G
```

<400> 780						
catgntatgg	ataaccatnt	taactgtatt	ttntgcancc	cgtaccttct	tggggaataca	60
atgtgctaac	tttttatttt	tggnctggct	gttggtggtg	gcaaaactcc	gtacattgct	120
attttgccac	actgcaacac	cttacagatg	tggaagatgt	gaaattttgtc	atcaattatg	180
actaccctaa	ctctcagag	gattatattc	atcgaattgg	aagaactgct	cgcagtagca	240
aaacaggcac	agcatcacct	ttctttaac	ctaataacat	aaagcagggg	agcgaccta	300
tctctgtact	tcgggaagct	aancaaac				328

```
<210> 781
<211> 305
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(305)
<223> n = A,T,C or G
```

<400> 781						
ctgttcagaa	agctcattgg	acctggtttt	gaaaataaaaa	caaagttaaa	accctggggag	60
gagttattgt	gcagngtgga	gtactcaggc	tttcttataa	agaaaaaaaa	agttatctgg	120
taccaaagtg	tgcaacctac	agaccctcag	gtactgccct	gtgacttctc	tgtatgacat	180
cacaaggctg	ccaagtgcct	gtttttctag	aactaggagt	tggtgagggt	tggtctantgc	240
tgaaaccatg	cataggattg	gtttactaaa	ttaaaacctt	attacgtacg	tcctccaaaa	300
gcaac						305

<210> 782
 <211> 497
 <212> DNA
 <213> Homo sapien

 <220>
 <221> misc_feature
 <222> (1)...(497)
 <223> n = A,T,C or G

<400> 782
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 gctgggatag ggagtgatat ttctaggact tagacattga aaactaattc agcctgtagt 120
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 <212> PRT
 <213> Homo sapien

<400> 783
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 35 40 45
 Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His
 50 55 60
 Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys
 65 70 75 80
 Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr
 85 90 95
 Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
 100 105 110
 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
 115 120 125
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 Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro
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 Val Ser Val Lys Pro Gly Glu Glu Val Ile Pro Lys Asp Glu Asn Gly
 165 170 175
 Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met
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<212> DNA
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<211> 5502
<212> DNA
<213> Homo sapien
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<211> 108

<212> PRT

<213> Homo sapiens

<400> 786

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 20 25 30
 Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
 35 40 45
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
 50 55 60
 Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
 65 70 75 80
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 85 90 95
 Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
 100 105

<210> 787

<211> 152

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<213> Homo sapiens

<400> 787

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 Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
 35 40 45
 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser

50 55 60
 Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu
 65 70 75 80
 Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro
 85 90 95
 Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly
 100 105 110
 Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met
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 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
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 <211> 1633
 <212> DNA
 <213> Homo sapiens

<400> 788

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 <212> PRT
 <213> Homo sapien

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<211> 457
<212> DNA
<213> Homo sapiens
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<210> 791
<211> 126
<212> PRT
<213> Homo sapiens
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 Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
 65 70 75 80
 Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
 85 90 95
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<210> 792
 <211> 461
 <212> DNA
 <213> Homo sapiens

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<210> 793
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 793
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 20 25 30
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 35 40 45
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
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054956-054957

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<212> DNA
<213> Homo sapiens
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<212> PRT

<213> Homo sapiens

<400> 797

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Pro Pro Gly Arg Ala Glu Trp Tyr Gly Pro Ala Gly Val Lys Ala Gly
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Gly Arg Arg Arg Val Pro Arg Arg Arg Arg Arg Trp Gly Cys Val Gln
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<211> 1619

<212> DNA

<213> Homo sapien

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<210> 802

<211> 3115

<212> DNA

<213> Homo sapien

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<211> 1238

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<212> DNA

<213> Homo sapiens

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210> 805

<211> 394

<212> PRT

<213> Homo sapiens

<400> 805

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35 40 45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
50 55 60

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Pro	Arg	Ala 115	Glu	Ser	Leu	Arg	Glu 120	Asp	Ser	Thr	Val	Ser 125	Leu	Val	Val
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210 215 220

Ile Ser Pro Asn Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser
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Gln Val Leu Ala Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly
245 250 255

Pro Leu Arg Glu Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe
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<210> 807

<211> 3829

<212> DNA

<213> Homo sapiens

<400> 807

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<210> 808

<211> 781

<212> DNA

<213> Homo sapiens

<400> 808

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<210> 809
<211> 160
<212> PRT
<213> Homo sapiens

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              35                      40                      45

Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg
              50                      55                      60

His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met
              65                      70                      75                      80

Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His
              85                      90                      95

Leu Gly Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys
              100                     105                     110

Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly
              115                     120                     125

Ile Asn Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys
              130                     135                     140

Glu Glu His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
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<210> 810
<211> 624
<212> DNA
<213> Homo sapiens

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<223> n=A,T,C or G

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<400> 810

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<210> 811

<211> 572

<212> DNA

<213> Homo sapiens

<400> 811

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<210> 812

<211> 594

<212> DNA

<213> Homo sapiens

<220>

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<223> n=A,T,C or G

<400> 812

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<210> 813
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
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<223> n=A,T,C or G

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<210> 814
<211> 307
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(307)
<223> n=A,T,C or G

<400> 814
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tttttttttt tttttggngg agggaaantt ncagacatag ctttattgct gactcctgcc 180
cccttcanag ccctagtcac aggcnnacagg gntgttttgt aanttaant ttcnggaaaa 240
tngngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
nttacct 307

<210> 815
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(784)
<223> n=A,T,C or G

<400> 815
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ggacccacaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120
gttggattaa gctgcttatg agctctttga cagtgttgat tttgatcagt ggtttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggtat aagccattgc gacgcaggg 240
gatttggtc atcggtcagt ggatttctgt gaaattcaag tctgaactaa gacccatgct 300
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
acaactttga agttaactgt tgatgatttt gaatttagaa cagatcagtt tctaccgtat 420
ttggaaacca tgttcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcatgt cctttcttgt gtgatcgaaa gagtcaacat gcagatacga 540
ccatatgtgg gatgttttgt acaatatttg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta ttttgaccac acttattcat cttggtcagg gattangagc 660
agacagcaag acctgtccct ttctgtctcc agttattcac tgagtaccag atgtttcaca 720
gccttcncat gtttattttt ctggaaaatg ggtaaaaaat atnggtanga acctttggga 780
aaac 784

```

```

<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)...(813)
<223> n=A,T,C or G

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<400> 816
ggcacgagca ggctgggaag aagtccttgc ttctcaaggc cacgtaccgg ccgcgtcctt 60
ccacccttgc cctttaaaacc acagatgcca aatgatacgc caacagacac tacattcccc 120
agcagctgct gccagagccc tcttgtagct tctttatttt ctgtttcttt ccagctttcc 180
taccctccta tcccccttg tgtttgggcc acaattttga aataattttt attataggta 240
tgtgctgcc aagccagatt tttataagggt aaaataaatt aagaatttaa acagtaaaag 300
ccagtgtctc aaaatgtcag cattaataatg tgaaggggac agcagggtgt gaacoggaaa 360
cacacattgc caaacagttg ccaactgaac tgcgtcttct catggtccgt tcttttcttt 420
gcccttaagg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtgggtt 480
gtcgtgaggt ctgcttgat ctcttcaactg gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tggtggcggg gagggggcag ggaatagtga gctggcttta ccacctcag gatctcgaat 660
tggtgcgttg aacctaagaa agattgtgga cttatcaaaa gtcaccgctc agtggttcgtc 720
aagcatgtat ttatgtgacn atcatactag ggaggggatg gttgggaatt cttccatgtg 780
caaatttngn cccgcaanaa gcaaaaactg ngt 813

```

```

<210> 817
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(229)
<223> n=A,T,C or G

```

```

<400> 817
gaaactttta cattaatgat ttattaaaaa aaacaactcc ttgtcccaact ccaactgngct 60
gcttgtaatc tccatacatg gcctccattt tcaactgttt tnttggtcac anagctccaa 120
acanacacat ttttttttcc aggtaaaagc tgttttttagt ttgtagtaca aatgtgactg 180

```

229

```
<220>  
<221> misc_feature  
<222> (1)...(781)  
<223> n=A,T,C or G
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<210> 819
<211> 199
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(199)
<223> n=A,T,C or G
```

```
<210> 820
<211> 211
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(211)
<223> n=A,T,C or G
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<400> 820
 nnnngcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
 agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
 agacagtnc tntgtgtgtct ctctgtctcn aagtacncnc tgagggnatct gntntctgtcn 180
 tntgngtaca cngtatctct cntggncata t 211

<210> 821
 <211> 952
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(952)
 <223> n=A,T,C or G

<400> 821
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 cagcaccaag acgaaatggg aaactacatg tccccagggt cgaggctgca ggggcagact 180
 ctggtgtgaa caggggggat gtgaccacct aagggaaaagg tcacacctgt cttggtatca 240
 ggggctcaag agctctcaaa aatgtaaggg gcgacagtc ccctgccccca ggcctgatca 300
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 cctcatcttt agcaacacat ttgcttttca aggtgttctt tgtggaaaca cacatacaca 480
 tagacacatg cccctcagat gtccctgcc ccctgattag tagaatgtgg ggtttccaca 540
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 ggcccaatgt aaatacttcc gcagagatgg agggcattca aaacaggttc tgaaaggatc 660
 cagcctatct tggactttgt tctggaaancc anggattcag cnttggccac ctgtgccagg 720
 cttgcaaggc ctggtgtgaa cncctaaant ggcagcaaaa acaacanaca gccnctgcac 780
 tttgntgga ccaaogtttg gcctnaacaa atctngcggg ttgggatntt cttgntttcn 840
 cncctcagggt accnaaaacc ccctacntg naataacct ttttttttnn aaccttttan 900
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<210> 822
 <211> 587
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(587)
 <223> n=A,T,C or G

<400> 822
 ggcacgagaa ctagtctcga gttttttttt ttttttttta acatttctga attttattat 60
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 aggtcttttt gaaaaatcca ctgtcttaga tgaaaagtct acccagcaag cactggggca 180
 gttctgagag tagaaaccag tgtggtggaa gttacttata ggaagttcag tgcagaggct 240
 tccacaagtc ctgattagtt ctgnaaggct ccattgggct agctcagggt aacagtggga 300
 atgagctcac agacaaaggc aggcaccagt tcctntgcc ggatgcagg ctggctcact 360
 cccangcgg ntgcattctg cttcagactc atcaaaactgc tgctgtccan ctncgncatg 420
 actntgttga gaacatanaa ctctgctctc tggttttgc tcanctcctg gtgggcnaaa 480
 ttctgcttag ccttctncac tntgaaggnt gggctcttaa cttttggatt tttttttccn 540

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587

<210> 823
<211> 264
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(264)
<223> n=A,T,C or G

<400> 823
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ntccnncnc ccaacccgcc aagggcctgc ctttctnct gggcctttgc cagcgntngg 180
ccanaccggg gccaaacggg nccccgggca cattttaacc nagggcnenc ttntagaana 240
aaaccccggn tgatgttata aagg 264

<210> 824
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> n=A,T,C or G

<400> 824
tcaagcngcc cccantntga tggatatctg caaaattcnc cctttcacgg gccgcccgn 60
gcatgtctta ttatacaaca natccaactt ccctaagngg ntcacacatn ntaaggtatt 120
gttaacaaaa taggaaantc tattngaact aacaatcatc tctttgaatc tgcntatccc 180
attaaaagca ttttctcaa tattcctcat atcggttatg gncaatggat acccatctga 240
gctggttgan ccttttaaat tnattatact taactttttg aaggctgtta tacccaaggg 300
acaaacctaa ncaaccanca gatatacttg anggtntctc ctgtnatttc tcagattcca 360
atataccatt ttgccttnac acctacagcc cttaggggca tctcnttcc ncanaacaaa 420
ncattntcac taagacagnc tggggtnttn caccaatggc taccaaacct ctgnccgna 480
cccaccgcnt aaanggcnga aattnccnan ccacacgggt 520

<210> 825
<211> 2064
<212> DNA
<213> Homo sapiens

<400> 825
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gccgcgcgac cggcaaaaat acacgggagg cgtcgccga aaagagtccg cggtcctctc 120
tcgtaaacac actctctcc accggcgcc cccctccgc tctgcgcgcc gcccggtg 180
gcgcccagg ccgctccgac tgctatgtga ccgagaggct gcgggaggaa ggggacaggg 240
aagaagaggc tctcccgcg gagcccttga ggaccaagtt tgcgccact tctgcaggcg 300
tcccttctta gctctcgccc gccctttct gcagcctagg cggccgggt tctcttctct 360
tctcgcgog ccagccgccc tcggttcccg gogaccatgg tgacgatgga ggagctgcg 420
gagatggact gcagtgtgct caaaaggctg atgaaccggg acgagaatgg cggcggcg 480


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gacaagtgtc ccagaagtgc ctggttctgt gtacttgtcc ctttgttgtc gttgttgtag 2040
ttaaaggaat ttcatttttt aaaa 2064

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<210> 826
 <211> 2109
 <212> DNA
 <213> Homo sapiens

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<400> 826
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tctgcgcgcc gcccggttgg gcgcccagag ccgctccgac tgctatgtga ccgcgaggct 180
gcgggaggaa ggggacaggg aagaagaggc tctcccgcgg gagcccttga ggaccaagtt 240
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cggcccaggt tctcttctct tcctcgcgcg cccagccgcc tcggttcccg gcgaccatgg 360
tgacgatgga ggagctgcgg gagatggact gcagtgtgct caaaaggctg atgaaccggg 420
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gcggcaagtg cctgctgctg gactgcagac cgttcctggc gcacagcgcg ggctacatcc 540
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acaagtgcac cccagtggaa gataaccaca aggcgcacat cagctcctgg ttcattggaag 1140
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cgggcatctc gcggtcggcc accatctgcc tggcctacct gatgatgaag aaacgggtga 1260
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 cgcagttcgt cttcagcttt cgggtctccg tgggcgtgca ctcgccccc agcagcctgc 1500
 cctacctgca cagccccatc accacctctc ccagctgtta gagccgccct gggggcccca 1560
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 tgagcagctg ggagcaggcg accgagctcc ttcccatca tttctccttg gccaacgacg 1680
 aggccagcca gaatggcaat aaggactccg aatacataat aaaagcaaac agaacactcc 1740
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 cagtttctact tttccgatag aaatttctta cctcattttt ttaagcagta aggcttgaag 1860
 tgatgaaacc cacagatcct agcaaagtgc cccaaccagc ttacttaaag ggggaggaag 1920
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 ctttggtgtc gttggtgtag ttaaagggaat ttcatTTTTT aaaagaaatc ttogaagggtg 2040
 tggttttcat ttctcagtca ccaacagatg aataattatg cttaataata aagtatttat 2100
 taagacttt 2109

<210> 827

<211> 394

<212> PRT

<213> Homo sapiens

<400> 827

Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys
 5 10 15

Arg Leu Met Asn Arg Asp Glu Asn Gly Gly Gly Ala Gly Gly Ser Gly
 20 25 30

Ser His Gly Thr Leu Gly Leu Pro Ser Gly Gly Lys Cys Leu Leu Leu
 35 40 45

Asp Cys Arg Pro Phe Leu Ala His Ser Ala Gly Tyr Ile Leu Gly Ser
 50 55 60

Val Asn Val Arg Cys Asn Thr Ile Val Arg Arg Arg Ala Lys Gly Ser
 65 70 75 80

Val Ser Leu Glu Gln Ile Leu Pro Ala Glu Glu Glu Val Arg Ala Arg
 85 90 95

Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr Asp Glu Arg Ser
 100 105 110

Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val Ser Leu Val Val
 115 120 125

Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile Cys Leu Leu Lys
 130 135 140

Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu Phe Cys Ser Lys
 145 150 155 160

Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro Pro Ser Ala Thr

	165		170		175
Glu Pro Leu Asp	Leu Gly Cys Ser	Ser Cys Gly Thr	Pro Leu His Asp		
180		185	190		
Gln Gly Gly Pro	Val Glu Ile Leu	Pro Phe Leu Tyr	Leu Gly Ser Ala		
195		200	205		
Tyr His Ala Ala	Arg Arg Asp Met	Leu Asp Ala Leu	Gly Ile Thr Ala		
210		215	220		
Leu Leu Asn Val	Ser Ser Asp Cys	Pro Asn His Phe	Glu Gly His Tyr		
225		230	235		240
Gln Tyr Lys Cys	Ile Pro Val Glu	Asp Asn His Lys	Ala Asp Ile Ser		
	245		250		255
Ser Trp Phe Met	Glu Ala Ile Glu	Tyr Ile Asp Ala	Val Lys Asp Cys		
	260		265		270
Arg Gly Arg Val	Leu Val His Cys	Gln Ala Gly Ile	Ser Arg Ser Ala		
	275		280		285
Thr Ile Cys Leu	Ala Tyr Leu Met	Met Lys Lys Arg	Val Arg Leu Glu		
	290		295		300
Glu Ala Phe Glu	Phe Val Lys Gln	Arg Arg Ser Ile	Ile Ser Pro Asn		
305		310	315		320
Phe Ser Phe Met	Gly Gln Leu Leu	Gln Phe Glu Ser	Gln Val Leu Ala		
	325		330		335
Thr Ser Cys Ala	Ala Glu Ala Ala	Ser Pro Ser Gly	Pro Leu Arg Glu		
	340		345		350
Arg Gly Lys Thr	Pro Ala Thr Pro	Thr Ser Gln Phe	Val Phe Ser Phe		
	355		360		365
Pro Val Ser Val	Gly Val His Ser	Ala Pro Ser Ser	Leu Pro Tyr Leu		
	370		375		380
His Ser Pro Ile	Thr Thr Ser Pro	Ser Ser Cys			
385		390			

<210> 828

<211> 453

<212> DNA

<213> Homo sapien

<400> 828

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gatcggtattg	ttgagcgctg	tgacctgcct	gaaatgcatg	tgggtgattg	gatgctcttt	180
gaaaacatgg	gcgcttacac	tgttgctgct	gcctctacgt	tcaatggctt	ccagaggccg	240
acgatctact	atgtgatgtc	agggcctgcg	tggcaactca	tgagcaatt	ccagaacccc	300
gacttcccac	ccgaagtaga	ggaacaggat	gccagcacc	tgctgtgtc	ttgtgcctgg	360
gagagtggga	tgaacgccca	cagagcagcc	tgtgcttcgg	ctagtattaa	tgtgtagata	420
gcactctggt	agctgttaac	tgcaagttaa	gct			453

<210> 829

<211> 452

<212> DNA

<213> Homo sapien

<400> 829

ctgggccacg	aggacaccac	cagcttggat	oggcctcgcc	gtgtggaata	ctttgtagat	60
aagcaactcc	aagtaaaggc	tgtcacctgt	gggcccgtgga	acacctacgt	gtatgctgtg	120
gagaaaggga	agagctgaca	tgtgtacgta	tatgtatatg	caacacctgt	gagaccccca	180
ttcaggtcaa	ggaaaaccgt	tgctgcacc	ccaagggccc	catatttgcc	cctccccatc	240
acagtcctgc	ccttcaccct	caagcacggt	cctaaacttg	tctgcacttt	agaaacacct	300
ggagagcatt	gaaaactctg	ctgcctaagg	tcagcatcaa	tcaaaacaat	gaaatcaatg	360
aaacaatgaa	accagagctt	ctaggtgtgt	ggcctggata	gtggtagatt	caaagctcca	420
cccacctcat	cccaggtaca	tttgatgtgc	ag			452

<210> 830

<211> 450

<212> DNA

<213> Homo sapien

<400> 830

ctgaccccc	tttgtccaca	gctaagatgg	cagcagaatg	ctatgtcact	atatacagaa	60
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tgacgcccct	gagctacagc	ctctcccaaa	aggcatcttc	cccacagcct	caacgccgag	180
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agaaaatgcc	agaaacatct	ttaaatgcct	tgtcacacca	acagcaaagt	gcacagagtg	360
aggagaacac	gagagtgcct	tttcatttta	aaaatgtttg	gaaatatgta	caactttgat	420
acagtttcag	ggtgctccag	acacccatgg				450

<210> 831

<211> 395

<212> DNA

<213> Homo sapien

<400> 831

ctctaaaccc	ctccacattc	ccgcggtcct	tcagactgcc	cggagagcgc	gctctgcctg	60
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ctttgcctgg	ccgggagggc	cttggcagcc	cctcagcaag	aagccctgcc	tgatgagaca	180
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caggtggaag	taggagaatt	tgatgatggt	gcagaggaaa	ccgaagagga	ggtggtggcg	300
gaaaatccct	gccagaacca	ccactgcaaa	cacggcaagg	tgtgcgagct	ggatgagaac	360
aacaccccca	tgtgctgtgt	ccaggacccc	accag			395

<210> 832

<211> 291

<212> DNA
<213> Homo sapien

<400> 832
ctgactcttc catctgtgca ggttgactga ggtcattcct gagttgcagt atgttgagag 60
ggtaaatatt ctgtcttctc taactcccca tactcccttg tcttccactc tccacttagg 120
agttttttgt gagttatgtc cttgttgctt ttgcctcttt ttctttctag ccttgattgt 180
gccagaagac aatgtcccta ttcacacact ctttctgctt ttctgtgggc aggaacatgg 240
aaggggtgct gatggacgtg gactgtgaga gcgtctaccc cactgtgtag g 291

<210> 833
<211> 491
<212> DNA
<213> Homo sapien

<400> 833
ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
tacttggtgt tgctttgttt ggagggtgtg gtggtctcca ctcccgcctt gacggggtg 120
ctatctgcct tccaggccac tgtcacggct tccgggtaga agtcacttat gagacacacc 180
agtgtggcct tggtggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
gcagccttgg gctgacctag gacggtcagc ttggtccctc cgccgaagac cacattattg 300
ccgtcccacg tctgacagta atagtcagcc tcatccatag cctgggtccc gctgatggtc 360
agagtggctg tgttcccaga gttggagcca gagaagcgct cagggatccc tgaagaccgc 420
ttattatctt gataaatgac taccacaggg gactggcctg gcttctgttg ataccaacaa 480
gcagatacct g 491

<210> 834
<211> 308
<212> DNA
<213> Homo sapien

<400> 834
ctggctcgagg tccacgccgc ggtaggtgaa cttgcggaag gtccgcttct tcttctgctc 60
tacttctgcc gtgctggaga acatcgaact gaacaagaag agtatgtatt ccggtgtgcc 120
agagtgccag gtcaccacat actattatgt tgggttogca tatttgatga tgcgtcgta 180
ccaggatgcc atccgggtct tgcccaacat cctcctctac atccagagga ccaagagcat 240
gttccagagg accacgtaca agtatgagat gattaacaag cagaatgagc agatgcatgc 300
gctgctgg 308

<210> 835
<211> 472
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 835
ctgacatgtt aactgtgatg cataaaactc gatcttctga tggggagtaa gtgcagaagg 60
tagaaatctc cgccccgcgg gggcttatct gtactggtag ttcatgctgt ggtctgcgtt 120
tctgccatag ccgccttggt aggactggtg ggagctggga gggccactgt agttctggcc 180
ggacccccgg gagttgtagt tcgactgtga gtagcctcct tgtttgcctt ggtatgagga 240

gcgcgccccca gaacctccgc cgtagccccc gtgtgaccct gggttgtagg atgccccgcc 300
 tgagccgtag ctgttccgc cgttcggcc tccactacca ctgtagtga atttgcctc 360
 gtagngttag tcggatccgc ccccgcccc gggagagttg tngganttcg agtaggagta 420
 gctgccttgt ccatggttat agcctttctg cttgcctgt ggagggccat ag 472

<210> 836
 <211> 354
 <212> DNA
 <213> Homo sapien

<400> 836
 ccagtgaac cttcagatag acacatgggtg accagagccc gccaggcttc tgcagggtggc 60
 agtgtcgagc aagtgtgaaga tgtctgtggg aaggagaagc tcctgaaatg aacgttctgc 120
 aaacagaagg ctgaggggtc ttccaggcat gtccagtcac taggagctgc caccgggtggg 180
 cttgagtgcc aggtctctagg ctttgtgcag aaagcaccgc gggcgggggg cggttaaggga 240
 gagcaaaatg ggtctctctc aactgcagtc agtgctcctg ggaacacggt ctcacagaca 300
 gcacatatcc tacgtcacag ctctagggtt tcaaggactt agccatccga cagg 354

<210> 837
 <211> 318
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(318)
 <223> n = A,T,C or G

<400> 837
 ctgaaaatga aggttaattaa aaccatggag gcgatcagcg aggttctcca ggaccttagg 60
 tttgatgcgg aatctgccga gtgatggcgg ctccccaggg atgcgccgag ggagatggga 120
 aacggggcgg atggcgccca gccagccct aactgccagc cacattgaag cggacattgg 180
 caaccgggtc cccagccatg cgcagaaccg tgggtagcat gtgcttggtg gtgatgtcct 240
 gccacagac ctcagacggc acattgatgc agaagagcgt antcatgcgg tgcaggtagt 300
 tggggtctcc ggacatgg 318

<210> 838
 <211> 277
 <212> DNA
 <213> Homo sapien

<400> 838
 ctgcgcgtcg ccaaagtgaac aggcgggtgcg gcctccaagc tctctaagat ccgagtcgtc 60
 cggaaatcca ttgcccggtg tctcacagtt attaaccaga ctcagaaaga aaacctcagg 120
 aaattctaca agggcaagaa gtacaagccc ctggacctgc ggcctaagaa ggcacgtgcc 180
 atgcgccgcc ggctcaacaa gcacgaggag aacctgaaga ccaagaagca gcagcggaag 240
 gagcggctgt acccgctgcg gaagtacgcg gtcaagg 277

<210> 839
 <211> 276
 <212> DNA
 <213> Homo sapien

<400> 839

```
<210> 840
<211> 453
<212> DNA
<213> Homo sapien
```

<400>	840						
ccttctttgc	catgaccaag	ctcttttcagt	ccaatgatcc	cacactccgt	cggatgtgct		60
acttgaccat	caaggagatg	tottgcatth	cagaggatgt	catcattgtc	accagcagcc		120
taacaaaaga	catgactggg	aaagaagaca	actaccgggg	cccggccgtg	cgagccctct		180
gccagatcac	tgatagcacc	atgctgcagg	ctattgagcg	ctacatgaaa	caagccattg		240
tggacaagg	gcccagtgct	tccagctctg	ccctcgtgtc	ttccttgcac	ctgctgaagt		300
gcagctttga	cgtgggtcaag	cgctgggtga	atgaggctca	ggaggcagca	tccagtgaata		360
acatcatggt	ccagatccac	gcactanggc	tcctgtacca	tgtgcgtaag	aatgaccgcc		420
tagccgtcaa	taagatgata	agcaagggtcg	cac				453

```
<210> 841
<211> 142
<212> DNA
<213> Homo sapien
```

```

<400> 841
agcctctcta gtggcagagc agctcacact ccctccgctg ggaacgatgg cttctgccta      60
gtacctatcc ttgtgtttct gatgcagtgg tagcattggt tcaagttctc tcttgcgtg      120
gtcagagttg cttcgatgtt gg                                     142

```

```
<210> 842
<211> 83
<212> DNA
<213> Homo sapien
```

```
<400> 842
cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc      60
ccaaacatat aactgaactc ccc                                     83
```

```
<210> 843
<211> 482
<212> DNA
<213> Homo sapien
```

<400> 843

ccatcggtgt	ctggcagatg	cggcacctca	agagcttctt	tgaagccaag	aagcttgtgt	60
agctgtccca	ggcgtcacaa	cccatcctcc	caggctgggg	gagaaaggac	ctcctggaac	120
tgacttcttc	tgtcaggagg	actggtttcc	agccatacct	gttctggaag	ggagaggggc	180

tggaggcacc cacaggcaca agctgaaggc agcagcttgg ctaatactga gcaggtagtg 240
 gggcaaattc ctgccctctc tctctggcct ctggggccgtt tggtagtaat caccagggg 300
 ctggtaaagc ccctcctctt ggcacctcag aatcacagt ttactgatca gggatgtgag 360
 gctgctgttg ggggtggggg gaggggaatg ggcaggcaag ccagtcttct gtcttccttt 420
 gctaacttag ggttttgagc aggttggggg tatggtgcct gtcataccca cctgccaccc 480
 tg 482

<210> 844
 <211> 534
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(534)
 <223> n = A,T,C or G

<400> 844
 ccagatTTTT caagttttaa ggaggaaact gcttattgga aggaactttc cttgaagtat 60
 aagcaaagct tccaggaagc tcgggatgag ctagttgaat tccaggaagg aagcagagaa 120
 ttagaagcag agttggaggc acaattagta caggctgaac aaagaaatag agacttgca 180
 gctgataacc aaagactgaa atatgaagcg gaggcattaa aggagaagct agagcatcaa 240
 tatgcacaga gctataagca ggtctcagtg ttagaagatg atttaagtca gactcgggcc 300
 attaaggagc agttgcataa gtatgtgaga gagctggagc aggccaacga cgacctggag 360
 cgagccaaaa gggcaacaat agtttctactg gaagactttt gaacaaaggc taaaccaggc 420
 cattgaacga aatgcatttt tagaaagttg aacttgatga aaaaggaatc tttgttggtc 480
 tctgtacaga ggttnaagga tgaagcanga gatttaaggc aagaactagc agtt 534

<210> 845
 <211> 175
 <212> DNA
 <213> Homo sapien

<400> 845
 tcgacctgtg gcaaatgtgg ctaccctgcc aagcgcaaga gaaagtataa ctggagtgcc 60
 aaggctaaaa gacgaaatac caccggaact ggtcggatga ggcacctaaa aattgtatac 120
 cgcagattca ggcattgatt ccgtgaagga acaacaccta aaccaagag ggcag 175

<210> 846
 <211> 179
 <212> DNA
 <213> Homo sapien

<400> 846
 cgcgtggaca gttgcgaggg gtctgtgtga aggcacttgt cacgagcttc aatactgccg 60
 ccgtcccagg atgggagAAC tgcgcagcag gaagggcact tctgaaagca cagtggagag 120
 atcgtggag cgggcgttct gggcaggagg aagcacagac ggcaggcagg gtggactgg 179

<210> 847
 <211> 410
 <212> DNA
 <213> Homo sapien

<400> 847


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ccacccaaaac cagtcacaag acctggagtt gtctgtgcag atgtacgccc aagccgcctt      60
ggatggagac  tcccagggat tttttaacct ggccctgcta atcgaggaag gtacgataat      120
cccacaccat atcttggatt tcttggaat  tgactcaact ctccattcta ataacatctc      180
cattctccag  gaactgtacg aaaggtgctg gagccacagt aacgaggagt ccttcagccc      240
ctgctccttg  gcctggcttt acctgcactt gcggcttctc tggggtgcta tcctgcactc      300
agccctgate  tactttctgg gaacctttct gctatccata ttgatcgctt ggactgtgca      360
gtatttccag  tctgtctcag caagcgatcc ccctccaaga ccatcccagg      410

```

```

<210> 848
<211> 557
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

```

```

<400> 848
cacgggcccc cagccctgtg tcggccttgt ctgtctcagc tcaaccacag tctgacacca      60
gagcccaactt ccctcctctc tgggtgtgagg cacagcgagg gcagcatctg gaggagctct      120
gcagcctcca cacctaccac gacctcccag ggctgggctc aggaaaaacc agccactgct      180
ttacaggaca ggggggttgaa gctgagcccc gcctcacacc cccccccatg cactcaaaga      240
ttggattttta cagctacttg caattcaaaa ttcagaagaa taaaaaatgg gaacatacac      300
aactctaaaa gatagacatc agaaatttgt aagttaagct ttttcaaaaa accagcaatt      360
ccccagcgta gtcaagggtg gacactgcac gctctggcat gatgggatgg cgaccgggca      420
agctttcttc ctcgagatgc tctgctgctt gagagctatt gctttgttaa gatataaaaa      480
ggggtttctt tttgtcttct tgtaaggngg acttccagct tttgattgaa agtcctaggg      540
tgattctatt tctgctg

```

```

<210> 849
<211> 525
<212> DNA
<213> Homo sapien

```

```

<400> 849
ctgatggttt ggaaatgaga gaactacagt ggtgaagaga ccaggaggca gctctcagtg      60
aaaccaacat tgcggatgcc ctctcgtgagc ctctcagtc ccagcaggaa gccacaaca      120
ctggcctccc cagcctgcct gctgacaaca cctaggctta ctttatctaa aatcagagtg      180
taccagggtct gtagcagaaa ataatcaact aaatgtcagg gacctatgag tcattttaaaa      240
caaaagagga agtgaaagcc attaggcaag ctatgtgctg ggctgctaac gtagcccttg      300
cagggagggg tcaggagcgc gctgcagtga gccttgggtc tcgcaggccc agccctgctg      360
caaggagcca gggcacccag gaaacatcag cacacacaca cacagggacc ctcccttcat      420
gtcacttggt ttgctgccct aaatggcttc ttgcacccta acccctgatc ctggaagaag      480
gcagagagac tggcccgtac agagacctgc aattctacgc aagct

```

```

<210> 850
<211> 384
<212> DNA
<213> Homo sapien

```

```

<400> 850
cctcttggag cacatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct      60
ccagagttac tttgacctcc tgggggagct gatgaagttc aacgttgatg cattcaagag      120

```

attcaataaa	tatatcaaca	ccgatgcaaa	gttccaggta	ttcctgaagc	agatcaacag	180
ctccctgggtg	gactccaaca	tgctgggtg	ctgtgtcact	ctgtccctgg	accgatttga	240
aaaccagggtg	gatatgaaag	ttgccgaggt	actgtctgaa	tgccgcctgc	tcgcctacat	300
atcccagggtg	cccacgcaga	tgtccttcct	cttccgcctc	atcaacatca	tcacagtga	360
gacgctgacc	caggagaacg	tcag				384

<210> 851
 <211> 423
 <212> DNA
 <213> Homo sapien

<400> 851						
ctcaggaaaa	accagccact	gctttacagg	acaggggggtt	gaagctgagc	cccgcctcac	60
acccaccccc	atgcactcaa	agattggatt	ttacagctac	ttgcaattca	aaattcagaa	120
gaataaaaaa	tgggaacata	cagaactcta	aaagatagac	atcagaaatt	gttaagttaa	180
gctttttcaa	aagatcagca	attccccagc	gtagtcaagg	gtggacactg	cacgctctgg	240
catgatggga	tggcgaccgg	gcaagctttc	ttcctcgaga	tgctctgctg	cttgagagct	300
attgctttgt	taagatataa	aaaggggttt	ctttttgtcc	ttctgtaagg	tggaactcca	360
gcttttgatt	gaaagtccta	gggtgattct	atttctgctg	tgatttatct	gctgaaagct	420
cag						423

<210> 852
 <211> 413
 <212> DNA
 <213> Homo sapien

<400> 852						
ctgaaaacag	tgggaggcca	gatgctggca	tottccagac	gggagcatag	ccatgggtcac	60
tctagccgat	gtctcctggg	gctctcaggc	ggcaaggacc	agatgcacca	ctactgtcca	120
atcccagttt	tacttagagc	cacctccttt	tttggggcca	ttagtcccta	tttcatgccca	180
gatttttact	agcggctccc	tgttcttcca	aatcaattca	tgaccgtaag	taacatacca	240
tattccaaaa	agagctcccc	caagatgtgc	cgcgatgatca	aaaaatttcc	atcccaggat	300
catttctgct	gtatccatgg	cgataatggc	tttcagggca	ttcctgctg	tgaacgtgaa	360
catcggaagg	aaaataatgg	caagcctccc	ttctgggata	ttagtgcaga	cag	413

<210> 853
 <211> 288
 <212> DNA
 <213> Homo sapien

<400> 853						
atctgtgagt	tctgagaggc	atttaggccca	tgggacaggg	aggatcctgt	ctggccttca	60
gtttccatcc	ccaggatcca	cttgggtctgt	gagatgctag	aactcccttt	caacagaatt	120
cacttgtggc	tattagagct	ggaggcacc	ttagccactt	cattcccttg	atgggccttg	180
actcttcccc	ataatcactg	accagccttg	acactccctt	tgcaaaccat	cccagcactg	240
caccccaggc	agccactcct	agccttggcc	tttggcatga	gatggggg		288

<210> 854
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 854						
ccaagtgaga	tcagccctca	agggcacatg	ccaagggcag	agcagcccat	gtagacagct	60

<210> 858
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 858
 cggccgaggt ccttaatagt taagttacag ctaagaatgt catgtcttgg gttggaattt 60
 tcatttttag caccgttaat gtattcactt aaatctatgt tagcaccttg tctccaggca 120
 gaacaacaaa ccatccaaac attttaaaaca ttgggggaaa cacgaagggg aggggttaaag 180
 acagaatcca gtactgtgga aggagtggat ttagatcaca agatccttgt cgatatcctt 240
 ctgcttgatg ccgaagcagc cggcccactc atccagggcg atgtacttgt cattgtccag 300
 gtcacaggtc tcgaaaaagc ggggtgtgca atgctccatg gggatgaggg gagcacgcag 360
 tggagccagc tcggtgtggg agaggtaccc gtcaatgggg tgctggtcca g 411

<210> 859
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 859
 aaatcacaga gggacttagt attccattaa tgcaaatgga aacattaagt tcatcatcag 60
 atgataaaag gaaaaaaaaa acctgatact catctcaaaa gacgcagaga agacatctgc 120
 ataaatccag tacctattat tatttcaaat ttaaaaactt cttctttttt aagagatagg 180
 gtatcactat gttgccccagg ctgatcttga actcttggcc tcagatgata ct 232

<210> 860
 <211> 235
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(235)
 <223> n = A,T,C or G

<400> 860
 tgcccagaaa ggaaggggct attgcctcct cccagccagc ttccctttcc tccctcctcc 60
 cctgtggatt ctcccatcag ccatctggtt ctctctttaa ggccagttga agatgggtccc 120
 ttacagcttc ccaagttagg ttagtgatgt gaaatgctcc tgtccctggc cctacctcct 180
 tccctgtccc caccctcgca taaggcagtt gttgggtttc ttccccaatn ctttt 235

<210> 861
 <211> 457
 <212> DNA
 <213> Homo sapien

<400> 861
 ccaaagggaaa gttggaaggc aactgacaga ttctgccttt taggtacttg aactggcagg 60
 aaatgcatca aaagacttaa aggtaaagcg tattaccctt cgtcacttgc aacttgctat 120
 tcgtggagat gaagaattgg attctctcat caaggctaca attgctggtg gtggatgtgt 180
 aacttctaac attttaaaaa atttcttcag aggaaggaat tttttgctgc ttttaattag 240
 tttttccagg agaggaaatt taagtatat ttcaatgatg gaagtatggt tgtatcatga 300
 aatttgatgt atatgtataa ctcaatgaat ttttacctca tacttgagct gcatgttttt 360

aaagatacct ttcaagtiga acagtataca ctttcttggt ttcaaatact gtgatttttt 420
 aaaaaatctt aagtagaatt aattcctgtc actcccc 457

<210> 862
 <211> 561
 <212> DNA
 <213> Homo sapien

<400> 862
 ccaggtcatc accattggca atgagcgggt cgggtgtccg gaggcgctgt tccagccttc 60
 cttcctgggt atggaatctt gcggcatcca cgagaccacc ttcaactcca tcatgaagtg 120
 tgacgtggac atccgcaaag acctgtacgc caacacgggt ctgtcgggag gcaccaccat 180
 gtatccgggc attgccgaca ggatgcagaa ggagatcacc gccctggcgc ccagcaccat 240
 gaagatcaag atcatcgcac cccagagcgc caagtactcg gtgtggatcg gtggctccat 300
 cctggcctca ctgtccacct tccagcagat gtggattagc aagcaggagt acgacgagtc 360
 gggccctcc atcgtccacc gcaaattgct ctaaaccggac tcagcagatg cgtagcattt 420
 gctgcattgg ttaattgaga atagaaattt gccctggca aatgcacaca cctcatgcta 480
 gcctcacgaa actggaataa gccctcgaaa agaaattgtc cttgaagctt gtatctgata 540
 tcagcactgg attgtagaac t 561

<210> 863
 <211> 291
 <212> DNA
 <213> Homo sapien

<400> 863
 ccatagctgt cccacctatg gttttaaaaa cagactgtaa cttgatcttc tgaaatcctt 60
 ctogaaccac aactcgttct gttaaagaaa tctagtagaaa gaagtcctac tgatattgtc 120
 gatcgtctcc aaaagggtgag gaaggtaact gagttgaagg caactgggag gggctctctg 180
 caaactgagg accattggaa aactgtgcag aggcataatct tgtcaacaag ataccagctc 240
 cttcaattaa agctaggaga atgccacca ttgcggctga cccaaccatg g 291

<210> 864
 <211> 265
 <212> DNA
 <213> Homo sapien

<400> 864
 ctgaactttt ccacctggag tccttgggaa taccggacgt gatcttcttt tataggtcca 60
 atgatgtgac ccagtcctgc agttctggga gatcaaccac catccgcgtc aggtgcagtc 120
 cacagaaaac tgtccctgga ggtttgctgc tgccaggaac gtgtcagat gggacctgtg 180
 atggctgcaa cttccacttc ctgtgggaga gcgcggctgc ttgccgcgtc tgctcagtgg 240
 ctgactacca tgctatcgtc agcag 265

<210> 865
 <211> 144
 <212> DNA
 <213> Homo sapien

<400> 865
 cctccacctg cgttttgatc tagatgagca tattgtccat ctcccacagc ttgctccggt 60
 tccgcaggta cgcgcgcgcg tgctcgcgcg tcagcgacgc gatgtcctcg cgcctctcgt 120
 tgatgaccgg gagcagaaac tgct 144

<400>	869						
cctttcttgt	aagtgaagaa	aaaggaatgc	agcaaagaag	agttcgacat	tggagtcctt		60
agttccatca	ggatcccatt	cgcagccttt	agcatcatgt	agaagcaaac	tgcacctatg		120
gctgagatag	gtgcaatgac	ctacaagatt	ttgtgttttc	tagctgtcca	ggaaaagcca		180
tcttcagtot	tgctgacagt	caaagagcaa	gtgaaaccat	ttccagccta	aactacataa		240
aagcagccga	accaatgatt	aaagacctct	aaggctccat	aatcatcatt	aaatatgccc		300
aaactcattg	tgacttttta	ttttatatac	aggattaaaa	tcaacattaa	atcatcttat		360
ttacatqg							368

<210> 870
 <211> 411
 <212> DNA
 <213> Homo sapien

<400> 870
 ggcgtgtcct tggacttaga gagtggggac gtccggcttc ggagcgggag tgttcgttgt 60
 gccagcgact aaaaagagaa tttaatattg gtgatgttga gaaaggcaag aagattttta 120
 ttatgaagtg ttcccagtcg cacaccgttg aaaagggagg caagcacaag actgggcca 180
 atctccatgg tctctttggg cgggagacag gtcaggcccc tggatactct tacacagccg 240
 ccaataagaa caaaggcatc atctggggag aggatacact gatggagtat ttggagaatc 300
 ccaagaagta catccctgga acaaaaatga tctttgtcgg cattaagaag aaggaagaaa 360
 gggcagactt aatagcttat ctcaaaaaag ctactaatga gtaataattg g 411

<210> 871
 <211> 385
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(385)
 <223> n = A,T,C or G

<400> 871
 tttttttttt ttnnnntttt ttttttnaaa gattcacttt atttattcat tctcctccaa 60
 cattagcata attaaagcca aggaggagga gggggggtga ggtgaaanatt gantggagg 120
 accgcaatag gggtaggtcc cctgtggaaa aagggtcana ggccaaagga tgggaggggg 180
 tcaggctgga actgagganc aggtgggggc acttntccct ntaacactnt cccctgttga 240
 agctntttgt gacgggcnan ctcaggccct gatgggngac ttncnaggcg tanactttgt 300
 gtttctcgna ntctgctttg ctcanctca ggtgctgnt gaggctgtan ggtgctgtcc 360
 ttgctgtcct gctntgngac actct 385

<210> 872
 <211> 184
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(184)
 <223> n = A,T,C or G

<400> 872
 cttccttcgg tctttantat ttttgattgt tatgtaaaac tcgcttttat tttaatattg 60
 atgtcagtat ttcaactgct gtaaaattat aaacttttat acttgggtaa gtccccagg 120
 ggcgagtcc tcgctctggg atgcaggcat gcttctcacc gtgcagagct gcaattggcc 180
 tcag 184

<210> 873
 <211> 397
 <212> DNA
 <213> Homo sapien

```
<210> 874
<211> 156
<212> DNA
<213> Homo sapien
```

```
<210> 875
<211> 512
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(512)  
<223> n = A,T,C or G
```

```
<210> 876
<211> 199
<212> DNA
<213> Homo sapien
```

<210> 877
<211> 486

<212> DNA
<213> Homo sapien

<400> 877
cgcggtgtgct gctcccttct gccaggagcc cactgctttt gcacacaagc tgcattttgc 60
gcattgactc aggtcccagt tgctcttcat atctccgtga atgattggag tgcaaagata 120
ctgtttctgag cgcttcccggt tttctgaaag ccatgtctct caggcatgcc tcgcttagtt 180
ggcgtatggg ttggttgact gttttcgctt ttttcttctt ctcttttctt cttcttcttc 240
tttttttttc ttttctttt cttcccctcc caacgccact gacaagaaag cactaaagat 300
gcaggttgtg cgatcaccct ataacataag gaaaagaaca ggagaggtta atttgaacgt 360
gtaggctagt ggtagaggga gatggaggtc tggggaaaga gtctgtcagg tagacatctc 420
ttttaacatg tcccagtatt cggttcacca gtatctctgc acctcactac tacccttcac 480
tccttg 486

<210> 878
<211> 363
<212> DNA
<213> Homo sapien

<400> 878
cctgggcccc ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttactgagat ggagtcttgc tctgtcaccc aggctggagt gcagtgggtc aatctcggct 120
cactgcaacc tctgcctcct gggctgcagt gattctcctg cgttcaagta attctcctgc 180
ctcggccttc tgagtagttg ggattacagg catatgccac cacacttggc taatttttgt 240
atttttagta gaaatggggt ttcaccatgt tggcgaggct ggtctcgaac tcctgacctc 300
aaggatcctc ctgcctcggc ctctaagggt gctgggattg cagggtgtgag ccaccacgtc 360
tgg 363

<210> 879
<211> 365
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = A,T,C or G

<400> 879
gccatgccca gcgtgtggtc agcacgcaca acttgtggct gctgtccttc ctgaggaggt 60
ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgtctc 120
ggaatctaca accccatgat ggggtctctt accagtcca gagcctccat ggcagtgagg 180
ctgacaccct caggaaggct ctggtggagg tgctggcaga cccctggat caccggaatg 240
ctggagatct ctggttcccc ggggagtctg agagcttcga ggatgccat atggagcaca 300
gcatctccag gagcctcttg gaaggagaaa tccccttccc acccacttcc atccttntcc 360
tcctg 365

<210> 880
<211> 431
<212> DNA
<213> Homo sapien

<400> 880
ccatctcccc tcacccaac ctggataaaa tgttacacta ccactaata taaccactga 60

cacacaaacc aagctccttc cagtttaaca ttgaacatca atctacattt ccagtgaatg 120
 agctaaactt atgagcaggc cattcaactt ttcattgatac atttagtgct cagaaatggt 180
 tgattccatt agcctgccct atagctcagg tggccaaga tggagcctat catcttcctt 240
 ggggtgtttg gtgtttccaa gtaggagcat aaaaaggata ccgtccccta cccaccacc 300
 ccatcccaca taccctcact ggcatccagg agaccagcag caggctcaag accccaaatg 360
 ttgggcacca caaataatgt gatatgtgcc aggagcacgg ggggtagggg tgaaagagaa 420
 aaacaataag g 431

<210> 881
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 881
 ccacagaggt ggtattacaa aatatacaaa gtggtttctt tctttacatt tcatagaaga 60
 agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120
 ataacttatg aaaaatgctg tacagggctg tgactataga tatagagtat ttggctctgt 180
 ttgggaattg atatctacaa gggggagggg caggggagga ctgtctgata tcttgacttg 240
 ctgggatggg ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacacca 300
 ctctccttt cctagataag gctggagcgc actgg 335

<210> 882
 <211> 353
 <212> DNA
 <213> Homo sapien

<400> 882
 atgactcaaa agattggatt ttacagctac ttgcaattca aaattcagaa gaataaaaaa 60
 tgggaacata cagaactcta aaagatagac atcagaaatt gttaagttaa gctttttcaa 120
 aaaatcagca attccccagc gtagtcaagg gtggacactg cacgctctgg catgatggga 180
 tggcgaccgg gcaagctttc ttctctcgaga tgctctgctg cttgagagct attgctttgt 240
 taagatataa aaaggggttt ctttttgtct ttctgtaagg tggacttcca gcttttgatt 300
 gaaagtccta ggggtgattct atttctgctg tgatttatct gctgaaagct cag 353

<210> 883
 <211> 193
 <212> DNA
 <213> Homo sapien

<400> 883
 ctggcagaga agaattggcta cgtgaotgtc agtgagatca aagccagtct taaatgggag 60
 accgagcgag cgcggaagt gccggaacac ctgctgaagg aagggttggc gtggctggac 120
 ttacaggccc caggggaggg ccactactgg ctgccagctc tctcactga cctctactcc 180
 caggagatta cag 193

<210> 884
 <211> 461
 <212> DNA
 <213> Homo sapien

<400> 884
 ctgaagaacc ccatcagcgg gctgttagaa tatgccagct tcgctagtca aacctgtgag 60
 ttcaacatga tagagcagag tggaccaccc catgaacctc ggtaagagac caccaggaa 120
 ctgtacctag ggttgggggc aggtgctttt gtcctgacg cagtcttggc tgatttgtga 180

gcagtgcctgt ttggtggcgc ctatcttttc ctcttccct tctgcctttt agctaaattc 240
 cccttgattg gccctttctc cagatattga gcagggaata tagaccttg accagccaga 300
 atcttggtg aacaaggggg aggttgactc tgttggctgt aatgaagctt ctttagaat 360
 gattggtttt ggccgtacgc ggtggctcat gctgtaatc ccagcacttt ttgaggccga 420
 ggcaggcata tcacgaggtc aggagtttga gaccagcctg g 461

<210> 885
 <211> 266
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(266)
 <223> n = A,T,C or G

<400> 885
 ctgcaatgct tcancacact tcagcaccga ggctgggcat gaggggtccg tcaccaccac 60
 atcaaatacc cctaaagcaa tatctttgtt atgggcactt gaatggtgct gcttcacaga 120
 ggctgcacca ccagtcatga ggatctcaga ccagagctcc aggaagttct gctgttggtc 180
 tgataccaag agtaccttca gattctggaa aggattttca cggggttgcc agtccagaat 240
 tctttgctcc tcaaggctgt acccag 266

<210> 886
 <211> 402
 <212> DNA
 <213> Homo sapien

<400> 886
 cgcgtggttt ccgattgttt gatagtattt actggagaga tcatagaaac gactgtgaac 60
 cgatgtcaca ccaggaagggt tgttgagcat ttcttcaaca tcttcaattg tttcctttgt 120
 aacctgtagc tccccgatgt ttaatttttag agctccaatt gctgttttac acaggatcac 180
 tgccctcatca ttacttttca ctttctcacg agtcttttcc agaaaagtaa gagccacatt 240
 aggatcagtc atctgtctaa ctacatgaag aatgatttcc acgagggaca aagggttcac 300
 cctgtgttca aattcactga taaagttttc ataaagctta atgagaccat ctccttgggc 360
 aaagcacgga tcctgcacaa aatcaagcac ctgaagtgtc ag 402

<210> 887
 <211> 342
 <212> DNA
 <213> Homo sapien

<400> 887
 ccaaagcgag agcattggca gtgaattgca gacactcttc cttggtcatg ctttcccgtt 60
 aggttagcatc aacatagcca tagatgtagg agctcccga gctccaatg gcaaaggact 120
 gccttaccat catacccccc ataggcactg agtacacctg ccctccttct tgagggtccc 180
 agcctgcgat gatgattccc gccatcaggt cttcccgtta tcggtaacac atctccttaa 240
 agaggctggc tgctgtgtgg accagtggag gctcattcag ttcaatgctg tggaaccga 300
 gctggttaggt gacagcatca gctactgcct gggatatcag ag 342

<210> 888
 <211> 228
 <212> DNA
 <213> Homo sapien

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<400> 888
 cgcgctcggcc aaggetgctg ctgttgctcc tccaaagaag gttggcttca aggccgtgtc 60
 cagggaccca cgagcagagg cactgggggg caagggatct ccaagggggc aagggatccc 120
 taaaggggt agctcacagg tgagggggtt tagggcccct ctaggagcg cctgaggcca 180
 tacattcaag agtgctccctg gtgaggccca gggaagagcc aggactgg 228

<210> 889
 <211> 378
 <212> DNA
 <213> Homo sapien

<400> 889
 ttggcttttc tcccccttctc atcctcctct cccctttcct cactgaaggc tgtgagttgc 60
 tttcaatgtg acaacactat gatgtcattt ggaaggattt gccaggacag actgattctg 120
 agtcctgggt gccgtatgtg tatgcggcag tgttgctcagg cgatcttggt tgaagctcta 180
 tgttgccata attaccatca agtacacact gttggcaaaa ggctaacacc tgactttagg 240
 aaatgctgat ttgagaacaa aaggaaaggt cttttttcac tgcttaaagt ggggtcactt 300
 tgataccttt gcggtcatgt ctgtgtctga tgagtgtaga atctctggat gtgcactgtc 360
 agtcatgtgt ccaccagg 378

<210> 890
 <211> 215
 <212> DNA
 <213> Homo sapien

<400> 890
 ccattttgga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60
 aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc 120
 ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta 180
 ggcattgctc aagtaccgat gcactccccg gaagg 215

<210> 891
 <211> 412
 <212> DNA
 <213> Homo sapien

<400> 891
 ctgggtcaagt tcaacagagc cttggctgac cattctatgg ctcaggcacc tcgggtcatt 60
 gatggcattg ttcttaccaa atttgatacc attgatgaca aggtgggagc tgctatttct 120
 atgacgtaca tcacaagcaa acccatcgtc tttgtgggca ccggccagac ctactgtgac 180
 ctacgcagcc tcaatgccaa ggctgtggtg gctgccctca tgaaggctta acgtggctct 240
 tgcccaatac caaatcgccg ctttccccac aagcccttct tcctgtatca agaattgtgt 300
 ttagagtatg tgagcaacct gtcttcagt tagtataaag gcagagttag ggggcttggt 360
 gctccttcca accccactcc ccgttcagca cagccgccat ctgcaaggaa gg 412

<210> 892
 <211> 472
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(472)

<223> n = A,T,C or G

<400> 892

tttttttttt	tttttttttt	ttaattacta	cctttttattc	taatgtgaac	catggccctg	60
aaagctgata	acaagcttgg	ctgancagag	ggaactaggg	gtcggcagaa	aggattatgg	120
gtggaaaaca	ttggctcttc	cctggggagt	gatgctggg	aaagggaana	nagtggctca	180
ncctgcaggt	aaataggcta	naaaagccaa	ggccaaaggc	tggaggggag	aggacagtca	240
gcatgtccag	cctggggtct	gggtgtagg	ttatcccttc	tccctgtgcc	ttcccatctc	300
gtccatgagc	ctaggtcttg	gagccttgtg	ttggaggctg	ctgtgatgtc	aggaacgggg	360
atctgtctag	cctttggcca	cttcctggga	cctcacgccc	ctgttgacag	atggagattg	420
ggcagcaggg	ccttgctgcg	ttgttatctg	ctgttccgac	ttggtttgtc	tt	472

<210> 893

<211> 477

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(477)

<223> n = A,T,C or G

<400> 893

caaagattca	ctttatttat	tcatttctcct	ccaacattag	cataattaa	gccaaaggagg	60
aggagggggg	tgaggtgaaa	gatgagctgg	aggaccgcaa	taggggtagg	tcccctgtgg	120
aaaaaggggc	agaggccaaa	ggatgggagg	gggtcaggct	ggaactgagg	agcagggtgg	180
ggcacttctc	cctctaaccac	tctcccctgt	tgaagctctt	tgtgacgggc	gagctcaggc	240
cctgatgggt	gacttcgcag	gcgtagactt	tgtgtttctc	gtagtctgct	ttgctcagcg	300
tcagggtgct	gctgaggctg	taggtgctgt	ccttgctgtc	ctgctctgtg	acaactctct	360
gggagttacc	cgattggagg	gcgttatcca	ccttccactg	tactttggcc	tctctgggat	420
agaagttatt	cagcangcac	acaacanang	cagtttccag	atttcaactg	ctcatca	477

<210> 894

<211> 289

<212> DNA

<213> Homo sapien

<400> 894

ctgtcttatg	gctatgatga	gaaatcaacc	ggaggaattt	ccgtgcctgg	ccccatgggt	60
ccctctggtc	ctcgtggtct	ccctggcccc	cctggtgcac	ctggtcccca	aggcttccaa	120
ggtccccctg	gtgagcctgg	cgagcctgga	gcttcaggtc	ccatgggtcc	ccgaggtccc	180
ccaggtcccc	ctggaaagaa	tggagatgat	ggggaagctg	gaaaacctgg	tcgtcctggt	240
gagcgtgggc	ctcctgggcc	tcagagtgtc	cgaggattgc	ccggaacag		289

<210> 895

<211> 179

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(179)

<223> n = A,T,C or G

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<400> 895
 ctggatgggt ccanacaaag tggaatccct ggaaccttta actgagcagt gaaggtcagt 60
 gcctcagagc ctgagagatg aacaggacca gagagagagg tgggcaggca ggcacaaggt 120
 tatgtcttcc tcagactcgg aacctgctc ttctccacca tccagacgtt cagctacag 179

<210> 896
 <211> 557
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(557)
 <223> n = A,T,C or G

<400> 896
 ccactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60
 tcctggaaca gaagcctgtg ggatggcctt gggcacggag aagccctggg gtcagtgtcg 120
 tgcaaggatg gcggcagtg tgaaccagag aggetgaacc cggccacca cgggaagatga 180
 gtgcatggca accgcctgcc ttcacgtcgc tccacttggg aaccccaagg tctgggctgt 240
 tctaggtatt gcttcacgtg cccagcaag cccttaacaa gagggcctgg ttccctgaag 300
 aaccaatccc aggaaggggc cttgatccct ccgccttggc gagagtgaac cctcgtctct 360
 cctcacnctc catttcattt ctgggaattg gggcttagtt tcgaaccttt ggcaaggctg 420
 ttcttactaa tgcccaagcc cctttacccc tctccctata ggttacacag gggagaccag 480
 ggccctcgga gaagactgct gccacacttc cgaatcattc tgcttgccaa ataggtcatc 540
 ttcaccagtt gactgac 557

<210> 897
 <211> 495
 <212> DNA
 <213> Homo sapien

<400> 897
 ctggaatctc ctttgcaatc ccactctgata agattaaaaa gttcctcacg gagtcccatg 60
 accgacaggc caaagggaaga gccatcacca agaagaagta tattggtatc cgaatgatgt 120
 cactcacgtc cagcaaagcc aaagagctga aggaccggca ccgggacttc ccagacgtga 180
 tctcaggagc gtatataatt gaagtaattc ctgatacccc agcagaagct ggtggtctca 240
 aggaaaacga cgtcataatc agcatcaatg gacagtcctg ggtctccgcc aatgatgtca 300
 gcgacgtcat taaaaggga agcaccctga acatggtggc ccgcaggggg aatgaagata 360
 tcatgatcac agtgattccc gaagaaattg acccataggc agaggcatga gctggacttc 420
 atgtttccct caaagactct ccctggtgat acggatgagg actctgggct gctggaatag 480
 gacactcaag acttt 495

<210> 898
 <211> 406
 <212> DNA
 <213> Homo sapien

<400> 898
 ccacgactgc atgcccgcg cgcgcagggtg atacctccgc cggtgaccca ggggctctgc 60
 gacacaggga gtctgcatgt ctaagtgcta gacatgctca gctttgtgga tacgaggact 120
 ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180
 gtaagaaagg gccagccgg agatagagga ccacgtggag aaaggggtcc accaggcccc 240
 ccaggcagag atggtgaaga tgggtccaca ggccctcctg gtccacctgg tcctcctggc 300

ccccctggtc tcggtgggaa ctttgcctgt cagtatgacg gaaaaggagt tggacttggc 360
 cccggaccaa tgggcttaat gggacctaga ggcccacctg gtgcag 406

<210> 899
 <211> 277
 <212> DNA
 <213> Homo sapien

<400> 899
 cctaagagtc attaaaaaat tctccctttg taacctcagt gctggggact gaggcgagcc 60
 ccctcaggtc gctggagtgc accagtcctg gggaagaggt gcaggagaag ctgtgttttt 120
 tatctccaca cgcagtatga agataaaatt acatagtatt acctagacat agacagtatt 180
 acctaggtag atgcactgct cacctgcacc cttcccagct ctcatTTTTg ttaggtgatt 240
 tgggataggg atagtgtttt ggggtatggg gggagtg 277

<210> 900
 <211> 389
 <212> DNA
 <213> Homo sapien

<400> 900
 ctgttttgaa atatttactg ttattaaaaac ttgcttcaag ggaaattgtg aatatatttc 60
 catatacaag cactagtaac agtaagtggc cctgtcatcc actaactcag gcaaagtaaa 120
 gaatggcatt tttgaaggac attttacctc cccatatgat ttgattggct aggactttct 180
 tctgtaaagt catacctttt cacatcttaa gttttttacat ttgccatttt ccaaactctca 240
 attttgggca agaacgatat agtcacaact atggggctgc tttcaaaaagc ggggctccat 300
 ttctactgtc agatcaatgt ggtgctgtaa ccatcttttt atccctacct tcaagaacct 360
 ccttatatga agcctgtctt tatccatca 389

<210> 901
 <211> 453
 <212> DNA
 <213> Homo sapien

<400> 901
 ctggagacac ccacttgggt ggagaagatt ttgacaaccg aatgggtcaac cattttattg 60
 ctgagtttaa gcgcaagcat aagaaggaca tcagtgaagaa caagagagct gtaagacgcc 120
 tccgtactgc ttgtgaacgt gctaagcgta ccctctcttc cagcaccag gccagtattg 180
 agatcgattc tctctatgaa ggaatcgact tctataacct cattaccgt gcccgatttg 240
 aagaactgaa tgctgacctg ttccgtggca ccctggaccc agtagagaaa gcccttcgag 300
 atgccaaact agacaagtca cagattcatg atattgtcct ggttgggtgg tctactcgta 360
 tccccaaagt tcagaagctt ctccaagact tcttcaatgg aaaagaactg aataagagca 420
 tcaacctga tgaagctggt gcttatgggt cag 453

<210> 902
 <211> 293
 <212> DNA
 <213> Homo sapien

<400> 902
 cctcgggccg cccccacggc tcccatggcc tcttctctgc ctaccgtgtg gaggccctaa 60
 ccctgcgtgg catcaatagc ttccgccagt acaagtatga cctgggtggca gtgggcaagg 120
 ctttggaggg catgttccgc aagctcaacc acctcctgga gcgcctgcac cagtcttct 180
 tctctactt gctccccggc ctctcccgct tegtctccat tggcctctac atgcccgctg 240

tcggcttctt gctcctggtc cttggtotca aggctctgga actgtggatg cag 293

<210> 903

<211> 228

<212> DNA

<213> Homo sapien

<400> 903

ctggagactc	tgggccagga	gaagctgaag	ctggaggcgg	agcttggcaa	catgcagggg	60
ctggtggagg	acttcaagaa	caagtatgag	gatgagatca	ataagcgtac	agagatggag	120
aacgaatttg	tcctcatcaa	gaaggatgtg	gatgaagctt	acatgaacaa	ggtagagctg	180
gagtctcgcc	tggaagggct	gaccgaacgag	atcaacttcc	tcaggcag		228

<210> 904

<211> 388

<212> DNA

<213> Homo sapien

<400> 904

ccaagcgtc	agatcggcaa	ggggcaccag	tcttgatctg	cccagtgcac	agccccacaa	60
ccaggtcagc	gatgaaggta	tcttcagtct	ccccgaacg	atgaggcacc	atgacgcccc	120
aaccattggc	ctgggccagc	ttgcacgcct	gaagagactc	ggtcacggag	ccaatctggt	180
tgactttgag	caggaggcag	ttgcaggact	tctcgttcac	ggccttggcg	atcctctttg	240
ggttggtcac	tgtgagatca	tccccacta	cctggattcc	tgcaactggc	gtgaacttct	300
gccaaagctc	ccagtcaccc	tgggtcaaag	gatcttcgat	agacaccact	gggtagtcct	360
tgatgaagga	cttgtacag	tcagccag				388

<210> 905

<211> 272

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 905

ccggagccca	cgnggtcat	ggctgccaga	gcgctctgca	tgetggggct	ggtcctggcc	60
ttgctgtcct	ccagctctgc	tgaggagtac	gtgggcctgt	ctgcaaacca	gtgtgccgtg	120
ccagccaagg	acaggggtga	ctgcggctac	ccccatgtca	cccccaagga	gtgcaacaac	180
cggggctgct	gctttgactc	caggatccct	ggagtgcctt	ggtgtttcaa	gcccctgcag	240
gaagcagaat	gcaccttctg	aggcacctcc	ag			272

<210> 906

<211> 525

<212> DNA

<213> Homo sapien

<400> 906

ctgtgcaccc	gagtgtcctt	tccccctaa	gctggcacat	aggagcaaaa	gttcactaac	60
cctgcagtgg	aaggcaccaa	ttgacaacgg	ttcaaaaatc	accaactacc	ttttagagt	120
ggatgaggga	aaagaaatag	tggtttcaga	cagtgtctct	tcgggagcca	gaagcactgc	180
aagttgacaa	agctttgtcc	ggcaatgggg	tacacattca	ggctggccgc	tcgaaacgac	240


```

attggtacca gtggttatag ccaagaggtg gtgtgctaca cattaggaaa tatccctcag 300
atgccttctg caccaaggct gggtcgagct ggcatcacat gggtcacgtt gcagtggagt 360
aagccagaag gctgttcacc cgaggaagtg atcacctaca ccttggaat tcaggaggat 420
gaaaatgata accttttcca cccaaaatac actggagagg atttaacctg tactgtgaaa 480
aatctcaaaa gaagcacaca gtataaatc aggctgactg cttct 525

```

```

<210> 907
<211> 365
<212> DNA
<213> Homo sapien

```

```

<400> 907
gtaaatttta agtctttcag ttttatagat acggaaaaca agggtgactc tttaccacag 60
gatgaataaa gaactaagta atatgggaaa tgcagcaatt tctggactag ctgagccgat 120
tccttctctg gagcacactg taagctttca agttctctgg gcaggaatta cagcacctgt 180
ccctgcaat ggccctgctg tgtgatgctc atcgttccc ttcgtgctgg agcagtcccc 240
caggtgtcca tctctatct tttgttcca atcttctgtg agttccagct agcaggcttt 300
acatctgggg aaaggaaaac caggggtttt agctctgttc tctgctcca tccttcgctc 360
accag 365

```

```

<210> 908
<211> 608
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```

```

<400> 908
cggaggtgcc tcagccatgg catggatccc tctcttctc gggtccttg cttactgcac 60
aggacgtgcg gctccttttg aggtgaccca gccaccttca atgtccgtgt cccaggaca 120
gacagccaag atcacctgca ctggagatag gttgggggat gaatatgttt gctggtatca 180
acagaagcca ggccagtccc ctgtattgat aatataattg gataacaagc ggccctcggg 240
gatccctgac cgattctctg cctacgcctc tgggaacaca gccactctga tcatcagcgg 300
ggcccaagtt atggatgagg cttattatta ctgtcaggcg tgggacggca gaactgtggt 360
gttcggcgaa gggaccaacc tgaccgtcct aggtcagccc aaggetgccc cctcggtcac 420
tctgttcccg cctcctctg aggagcttca agccaacaag gccacactgg tgtgtctcat 480
aagtgacttc taccgggag ccgtgacagt ggccctggaag gcagatagca gcccgtcaa 540
ggcgggagtg gagaccacca caccctccaa acaaagcaac aacaagtacg cggncagcag 600
ctatctga 608

```

```

<210> 909
<211> 513
<212> DNA
<213> Homo sapien

```

```

<400> 909
ctggtctcaa actcctcacc tcaactgac cgccacctt ggccctccaa agtgctggga 60
ttataggtgt gagccaccgt gcccaaagtt aagtatttt gatcaagtgt tttgtctttt 120
gtgcaaggca tttgtggctc tgtcatagca gaggaaaaca aaacatgcct atcaaatgaa 180
tcaagtccga cctcttctca tattgagcaa ctagaggtct aggaacattt ccctacctg 240
tcattctcat ctggcatacc aggtgtacat actccttctt attctcctct gttaccaaga 300

```

tgttggcccc	attggggttg	aggtcacgaa	ctccacaaac	tccaaactct	tggacctcag	360
tgctgaaggt	gagggtcatag	cctagtgtgg	agacatcatt	ttccagcaga	taaaccagac	420
cttggtagaa	gtggtaatct	tactctcca	tatctgtata	tctgactgac	ttgccaaga	480
tgtgtttgta	aaaggatcga	gtaaagtagc	act			513

<210> 910

<211> 272

<212> DNA

<213> Homo sapien

<400> 910

ccggagccca	cgggtggcat	ggctgccaga	gagctctgta	tgttggggct	ggctcctggcc	60
ttgctgtcct	ccagctctgc	tgaggagtac	gtgggcctgt	ctgcaaacca	gtgtgccgtg	120
ccagccaagg	acaggggtga	ctgcggctac	ccccatgtca	ccccaagga	gtgcaacaac	180
cggggctgct	gctttgactc	caggatccct	ggagtgcctt	ggtgtttcaa	gcccctgcag	240
gaagcagaat	gcaccttctg	aggcacctcc	ag			272

<210> 911

<211> 263

<212> DNA

<213> Homo sapien

<400> 911

cctgcaggta	caaattgacc	aggctgttga	cggctgcctc	cacgtcgggtg	gaataattct	60
gacgaatctg	ggagctcatg	gttggttggc	aagaaggagc	taaccacaaa	aacggtgctg	120
gcagggtcca	gaagcaggag	atggccgaga	agatggtccc	ggaggttgca	agcggagagg	180
aaatcggagg	gcggtcggag	gctggaagag	agtccccgga	tctgttccgt	ccaaacactg	240
ttgaagcaag	agacagaccc	gcg				263

<210> 912

<211> 470

<212> DNA

<213> Homo sapien

<400> 912

ctgtgagcac	cagcccaacc	ctacctttt	aaaaagaaaa	aacacaagtc	cactctgaag	60
tcagcctctg	taacctcccc	acaagaaaa	cgtttttacat	cagtcactaa	ccaaacaacc	120
aacagtgttt	caacacagaa	agtaaagcat	tatccagggtc	ttggactgtc	tttcaagaaa	180
gccccaaatc	ccctggcagg	aggaaagtcac	agcagtgaag	cccatccca	ggcccagttg	240
ttcccacgaa	acacaccacg	tggagacca	gcactgactgc	cgactgattc	caagtcccca	300
ggagggcttt	atTTTTTctt	ttcaacatcc	tgttctgcgg	cttccttggc	actttttgcc	360
cgtatgccga	agagccgggc	gttggcacgg	gccatacgga	gactagcgaa	ggctttgaaa	420
ttcttctctt	cctcagtgat	gactcgagct	ttctccttct	tatagacgtt		470

<210> 913

<211> 426

<212> DNA

<213> Homo sapien

<400> 913

cctggacacc	ataaggctgg	tgggttttca	gaattgtgtt	aggggggcag	gagtggcagg	60
ttcctgaatc	tcgggtcaata	tagtaaccag	caggacaaga	ggtgcaggag	gagccacat	120
cagaggcttc	tagggcacag	ggacggcagt	aggaggccac	gccattcata	acattgggtga	180
cattgatgga	gtagatcttg	gcaacgtcat	tgggtgtactt	cctgcttgcc	tcatgaaaag	240

```
<210> 914
<211> 252
<212> DNA
<213> Homo sapien
```

```
<210> 915
<211> 234
<212> DNA
<213> Homo sapien
```

```
<210> 916
<211> 366
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(366)  
<223> n = A,T,C or G
```

```
<210> 917
<211> 492
<212> DNA
<213> Homo sapien
```

<400> 917
ggcacagcga gggcagcatc tggaggagct ctgcagcctc cacacctacc acgacctccc 60

```

agggctgagc tcaggaaaaa ccagccactg ctttacagga cagggggttg aagctgagcc 120
ccgcctcaca cccaccccca tgcactcaaa gattggattt tacagctact tgcaattcaa 180
aattcagaag aataaaaaat gggaacatac agaactctaa aagatagaca tcagaaattg 240
ttaagttaag ctttttcaaa aaatcagcaa ttccccagcg tagtcaaggg tggacactgc 300
acgctctggc atgatgggat ggcgaccggg caagctttct tcctcgagat gctctgctgc 360
ttgagagcta ttgctttgtt aagatataaa aaggggtttc tttttgtctt tctgtaagg 420
ggtcttcag cttttgattg aaagtcctag ggtgattcta tttctgctgt gatttatctg 480
ctgaaagctc ag 492

```

```

<210> 918
<211> 557
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

```

```

<400> 918
ctgctcctgg gtaggcgtgc gggccatata gtaggggtag gatactagcc gctcgccgcc 60
gttcagattt gctcccagca cgaaggggtt cttctccatc caggcaatga tggcccggac 120
ctccgtggat accgtggcat ctggcgaaag gtacggttca gggatgggca agttattgtt 180
ggggaccggg taggggaccc atttctctc ctgagctccc cagagcacag agttgagatc 240
cgggaaatct tcaaagatgt caaagccctc ctgagtcac agtcccagcg cccagttccc 300
aaactctgag cccatctgcg ctgccacctc gttagcatca ggggtcagtg agggcaccag 360
gtggatgctg gtgtcctgca ccaggctgcg cacacgtggg ttcccatcgc ggtactctcg 420
gcacaggtag tgcatgagca gcagcaacag ctctcgcccc agcacctcgt tgccatggat 480
cccagcagtg tagcggaact cgggctcccc cagttcatgc tcccanggt tgtctgagat 540
ctccatggca tagatct 557

```

```

<210> 919
<211> 407
<212> DNA
<213> Homo sapien

```

```

<400> 919
ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cggggtcttt aagggggaga gtgaccacgc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcatcaca 240
gaaatagcaa agttcttgaa agtctcccag ggcagttgg ttgtaatgca gcctgagaga 300
ttccagtcta agtatgagcc ccggagccac atgatggacg tccagggctc caccaggac 360
tcggccatca aggacttctg gctgaagtac gcctgcccc tggttgg 407

```

```

<210> 920
<211> 340
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G

```

```
<210> 921
<211> 571
<212> DNA
<213> Homo sapien
```

```
<210> 922
<211> 262
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G
```

```
<210> 923
<211> 234
<212> DNA
<213> Homo sapien
```

<400>	923						
ccactggggac	tttggcttcc	tgatgccgat	tgtggatttc	tgttgcaaag	acagtgatgt		60
tgagccaggc	tgtttcctct	ctatccagag	gttttgtagt	tttaataaaa	ccatcctctg		120
gattaataagt	gaaaaatctg	tcgaggtcag	tgtgacgac	gatgggaatac	cttatcgggc		180
tgtttgcagc	atcagggtct	tggcatqca	ctctcccaac	cacggtgcc	gcag		234

<210> 924
 <211> 152
 <212> DNA
 <213> Homo sapien

<400> 924
 ccaggattga caggccatcc attcacagcc aggagatgct gggccagttc ctccaagagg 60
 tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctcaggtgac 120
 tggagcccga gggcctgaca ggttcccagc ag 152

<210> 925
 <211> 400
 <212> DNA
 <213> Homo sapien

<400> 925
 caatatcatg ccaaggaccc aaacaacctc ttcattggtgc gcttggcaca gggcctgaca 60
 catttaggga agggcaccct taacctctgc ccctaccaca gcgaccggca gcttatgagc 120
 cagggtggccg tggctggact gctcactgtg cttgtctctt tcctggatgt tcgaaacatt 180
 attctaggca aatcacacta tgtattgtat gggctgggtg ctgccatgca gccccgaatg 240
 ctggttacgt ttgatgagga gctgcggcca ttgccagtgt ctgtccgtgt gggccaggca 300
 gtggatgtgg tgggcccaggc tggcaagccg aagactatca cagggttcca gacgcataca 360
 accccagtgt tgttggccca cggggaacgg gcagaattgg 400

<210> 926
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 926
 ccacgtccct atttttagaaa tgagaggagt gactgcacac aggaaaaatg ccacttttag 60
 caattcaaag tggaaaaact tcttttatat aaaaattatc ccaactcca ccccttggct 120
 ctcagtgttg catctccac agaggtaaag ttgtgccatt ttcccacggc tttaaacaaa 180
 gcaaaacaaa accaccaatc ctaataaccc ccctccctgc cccgtctcca cgctgtgagg 240
 agagggtctt agcccctcag tcggacttct ccttctcctt catgtgcaag aagacgatgc 300
 tgaagatgaa gagccccagc atcatggaga aggcgtggc gtagtagggg taggccgagg 360
 ggatgaagcg ctcatactgc gtgtgctgga gtggccgcac ggatacctga gtggaagagt 420
 acaggtgtgt gtagcctagc cggttgtaat ccactttaaa ctggaataca ccatacacgt 480
 cgggcaactt gaactgaaca ctgtatttgc cacctttctt c 521

<210> 927
 <211> 520
 <212> DNA
 <213> Homo sapien

<400> 927
 ccaggctagt ctgaaactcc tgacctcagg tgatctgctt gcctcggcct cccaaagtgc 60
 tgggattacc ggcgtgagcc accatgcctg gccttacatt ttttaaaatg agggaacaaa 120
 tgaataaatg accaccatgt taggggctgg ctctgaacag aattgtaaaag tgggccaagc 180
 ttgctctcaa ggtcacctta agcccacggg tgctgtgtcc tgccctctca gggtcatttc 240
 ccagcctcca ggcacctgtt cacagaggct gcatctggcc tcgcctccac ccctccatcc 300
 taagggtgctc cgctgactta gaacaggaca gtcagggaga gaatgtgtct caggaggggtg 360
 gagtcagatg atcacggcct tcctggcatc tgaggggata cagcttcggg tagcaaagtg 420
 tgattttccc tgagccccag gaaagccttg ccttggctcag aatacattga accctgaggg 480

09849636-050301

ccagagagtc cctggggcaa gctctgagag ggaggacctc

520

<210> 928

<211> 492

<212> DNA

<213> Homo sapien

<400> 928

ctgagctttc	agcagataaa	tcacagcaga	aatagaatca	ccctaggact	ttcaatcaaa	60
agctggaagt	ccaccttaca	gaaagacaaa	aagaaacccc	tttttatatc	ttaacaaagc	120
aatagctctc	aagcagcaga	gcatctcgag	gaagaaagct	tgcccggctg	ccatcccatc	180
atgccagagc	gtgcagtgtc	cacccttgac	taogctgggg	aattgctgat	tttttgaaaa	240
agcttaactt	aacaatttct	gatgtctatc	tttttagagt	ctgtatgttc	ccatttttta	300
ttcttctgaa	ttttgaattg	caagtagctg	taaaatccaa	tctctgagtg	catgggggtg	360
ggtgtgaggc	ggggctcagc	ttcaaccccc	tgtcctgtaa	agcagtggtc	ggtttttcct	420
gagcccagcc	ctgggaggtc	gtggtaggtg	tggaggctgc	agagctcctc	cagatgctgc	480
cctcgtctgtg	cc					492

<210> 929

<211> 209

<212> DNA

<213> Homo sapien

<400> 929

ttttttcacc	atctaacaaa	ggcactttat	tgcattacca	ttcacaatta	acagtcaaga	60
acaaataata	ataacaaata	aaataacttt	taagaggaca	aggcattaga	aataaaaaag	120
gacactaata	acatttgtaa	aagcttgtac	tggatgtggt	tgccccatt	tgtgtgtgtg	180
gttgtgtgtg	tgtggttgtg	tgttggtg				209

<210> 930

<211> 617

<212> DNA

<213> Homo sapien

<400> 930

cgcgtccttt	aacaagcccc	gttctcaaaa	ggctgggggt	atztatataa	gaacttattc	60
caaagtgact	ctaagatcca	tgttcccaag	atctagtacg	ggctattcat	ggttctgagg	120
catgtccagc	atgcaggcaa	acttatctgt	tcaaattgag	gtaaaacaga	caaaaaacac	180
ttaatatata	cagaagctac	ataattaaaa	ctaaccctct	gctgcttatt	taagctaattg	240
atgtattctt	accaaacaga	gaccctcaag	tcaatcattt	cttttgattt	tagttaccac	300
ccccaaatta	agcctcttct	ttcaaagcca	ttattagtta	aaaaaaagtt	ttaaaatgaa	360
gaaaaatatt	ttttccagaa	cttgtatttt	gtaattagt	tgatgcaatt	tctttttatt	420
tttcaaactt	agaaataact	catgtatggt	actatttgg	atttttttca	gataccaagg	480
aataaccgaca	ggattcataa	ataggatttt	ctgacactgg	caggaaagtc	tgctaacggt	540
tacaaaatac	caaagactct	tctttcaagc	ttcaaagatg	gctgagaatt	aacagttatg	600
attagttttt	cagtaca					617

<210> 931

<211> 521

<212> DNA

<213> Homo sapien

<400> 931

ccaacaaaat	tggtgaacac	atggaagaac	atggcatcaa	gtttataaga	cagttcgtac	60
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Topo "928-931"

caattaaagt tgaacaaatt gaagcagggga caccaggccg actcagagta gtagctcagt 120
 ccaccaatag tgaggaaatc attgaaggag aatataatac ggtgatgctg gcaataggaa 180
 gagatgcttg cacaagaaaa attggcttag aaaccgtagg ggtgaagata aatgaaaaga 240
 ctggaaaaat acctgtcaca gatgaagaac agaccaatgt gccttacatc tatgccattg 300
 gcgatatatt ggaggataag gtggagctca cccagttgc aatccaggca ggaagattgc 360
 tggctcagag gctctatgca ggttccactg tcaagtgtga ctatgaaaat gttccaacca 420
 ctgtattttac tcctttggaa tatgggtgctt gtggcctttc tgaggagaaa gctgtggaga 480
 agtttgggga agaaaatatt gaggtttacc atagttactt t 521

<210> 932
 <211> 197
 <212> DNA
 <213> Homo sapien

<400> 932
 ccttgtagacc aattacatat gattaaaaatt acttcccaca ttcacatcca cagtactcgt 60
 ccaccattta acatctcaac caaaacgtta cacatgtgaa acaatcacta acaggcaaaa 120
 atactaaacc tgtatatttg gtattgcaaa tacacttatg catgagcaag caagggattc 180
 acagtgagaa tctacag 197

<210> 933
 <211> 610
 <212> DNA
 <213> Homo sapien

<400> 933
 cctcatattta acaatatctt ttttttgctc ttctgcttcc aaaccttatt tgccaatgta 60
 atgcctttat ataaagtctt tatgatgaat gaaaaacttt caagtgtgtg tgcctcatta 120
 aatgcattat ttattaattt aacttctagt actctcgata aagagccagt gaaatgagtt 180
 attgagttcc agggaaaaaa atgagaacat aattttgaat ttattatctc tctatacaca 240
 cacagttcat aattggatta catataataa taatatcaac aagtctatca gtatcgaagt 300
 tggatactgg taattttctca tgtgaggctc ttgtgtcaca gtcagcatag atttctggag 360
 catttgtctg ttgatctttt ggtggcctca aacctcatta agtgggtgtg gagatgctgt 420
 ttctgccatg tgagaatgtg atggcagaat taacacaacc ccaccagggg tacaacagag 480
 cactttacat ccaaaggcag agagggacac agcaatgcag aattccagca cacttaagag 540
 gagcaccatg ccatccagac ccattaagat ggacatagtc ccatgacaat tatttgagtt 600
 gccatagtag 610

<210> 934
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 934
 ctgctaccag gggagcgaga gctgactatc ccagcctcgg ctaatgtatt ctacgccatg 60
 gatggagctt cacacgattt cctcctgcgg cagcggcgaa ggtcctctac tgctacacct 120
 ggcgtcacca gtggcccgtc tgccctcagga actcctctga gtgagggagg agggggctcc 180
 tttccagga tcaaggccac agggaggaag attgcacggg cactgttctg aggaggaagc 240
 cccgtttggt tacagaagtc atggtgttca taccagatgt gggtagccat cctgaatggt 300
 ggcaattata tcacattgag acagaaattc agaaagggag ccagccaccc tggggcagtg 360
 aagtgccact ggtttaccag gcag 384

<210> 935
 <211> 125


```
<220>
<221> misc_feature
<222> (1)...(125)
<223> n = A,T,C or G
```

```
<400> 935
nttaaaattc atggaagtaa tannacagta ataaaatatg gatactatga aaactgacac      60
acagaaaaac ataaccataa aatattgttc caggatacag atattaatta agagtgactt      120
cgta                                     125
```

```
<210> 936
<211> 546
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(546)  
<223> n = A,T,C or G
```

<400> 936						
gcccatgcc	gcgtgtggtc	agcacgcaca	acttgtggct	gctgtccttc	ctgaggaggt	60
ggaatgggag	cacagccatc	acagacgata	ccctgggtgg	cactctcacc	attacgctgc	120
ggaatctaca	accccatgat	gcgggtctct	accagtgcc	gagcctccat	ggcagtgagg	180
ctgacacct	caggaaggtc	ctggtggagg	tgtctggcagg	ttctcccgcc	aaggttctcc	240
ccctgcctcg	aggaggaagg	ggctggaggc	tcatggctct	gcctcccata	gaccccttg	300
atcacccgga	tgctggagat	ctctggttcc	ccggggagtc	tgagagcttc	gaggatgccc	360
atgtggagca	cagcatctcc	aggagcctct	tggaaggaga	aatccccttc	ccaccactt	420
ccatccttct	cctcctggcc	tgcatctttc	tcatcaagat	tctagcagcc	agcgccctct	480
gggctgcagc	ctggcatgga	cagaagccag	ggacacatnc	accagtga	ctggactgtg	540
gacctc						546

```
<210> 937
<211> 550
<212> DNA
<213> Homo sapien
```

<400>	937						
caccaatcaa	aattcctggt	ggtcctgaga	ctttgggcag	aatcatgaat	gtcattggag		60
aacctattga	tgaagaggt	cccatcaaaa	caaacaatt	tgctccatt	catgctgagg		120
ctccagagtt	catggaatg	agtgttgagc	aggaaattct	ggtgactggt	atcaagggtg		180
tcgatctgct	agctcctat	gccaaaggtg	gcaaaattgg	gctttttggt	ggtgctggag		240
ttggcaagac	tgtactgatc	atggagttaa	tcaacaatgt	cgccaaagcc	catggtggtt		300
actctgtggt	tgctggtggt	ggtgagagga	cccgtagaag	caatgattta	taccatgaaa		360
tgattgaate	tggtgttatc	aacttaaaag	atgccacctc	taaggtagcg	ctggtatatg		420
gtcaaatgaa	tgaaccacct	ggtgctcgtg	ccgggtagc	tctgactggg	ctgactgtgg		480
ctgaatactt	cagagaccaa	gaaggccaag	atgtactgct	atttattgat	aacatctttc		540
gcttcaccca							550

$\langle 210 \rangle$	938
$\langle 211 \rangle$	192

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(192)
<223> n = A,T,C or G

<400> 938
tttttttttt tttttttttt ttttttttngg aaaaagccca aaaggcactt tattggaggt 60
ctntgcctcc attcacagga aaaaggagct gggagcccca tcctaagggt ccagcatca 120
gccactgga gggcctggaa cagtccanca ctntgtggga aaggagtggg gaggggaatg 180
ttttaaaaaa aa 192

<210> 939
<211> 337
<212> DNA
<213> Homo sapien

<400> 939
ccaaaatatt ggaacacaca gaaccaaacc aggtgtgttc tacacctgca tgagtgaagg 60
atttcacagt agacacctag gaagagcccg catgccctag actcactcca gaggaaggat 120
tgatttgcaa ccagaaaggg agctgaaaac cacggagctc catggctctt cattcaaaag 180
ggaaaataat gattccacgt tgcttttttag agttcaaata aacatctttc tggataaatc 240
tattttttta caatcttttt attatttgta aaagatataa aaacaactcc catcagtagc 300
aatacaaggt tatacatttt aaccagattt tctcagg 337

<210> 940
<211> 362
<212> DNA
<213> Homo sapien

<400> 940
cctgtccaaa cgtgcgcacc aggaccgagg ggagctccct cccaacacct gctaggaatt 60
gccaactttt aaatggatgg ggttttttat ggggtgaacc tctgttaata cttttgtaca 120
ctctcactac agtttatatt tttataggct attttctcaa ggtgtttcta gattccacat 180
atctatttta tataacaagt tattatgtta tgtgtgtgac tcccttgtgt gtatctgtgc 240
cagcctcagc ctccgagttg cttttccctc tggccctgac tctcactgac tcaccgatgt 300
ggtgtgcagg ccacttctt accccagata gcctcgggag ctgcctgtag tcatgccgac 360
ag 362

<210> 941
<211> 216
<212> DNA
<213> Homo sapien

<400> 941
ctggacatct ttccagcccg ggatacctac catcctatga gcgagtaccc cacctaccac 60
accatgggc gctatgtgcc cctagcagc accgatcgta gccctatga gaaggtttct 120
gcaggtaatg gtggcagcag cctctcttac acaaaccag cagtggcagc cacttctgcc 180
aactgttagg ggcattgtgc cgcgtgagct gagtgg 216

<210> 942
<211> 324

094566 050601
T0E050 02054850

<212> DNA
<213> Homo sapien

<400> 942
ctgattggct tcaggccccc tacctctata aactctacca gcattactac ttcctggaag 60
gtcaaattgc catcctatat gtctgtggcc ttgcctctac agtcctcttt ggcctagtgg 120
cctcctccct tgtggattgg ctgggtcgca agaattcttg tgtcctcttc tccctgactt 180
actcactatg ctacttaacc aaactctctc aagactactt tgtgctgcta gtggggcgag 240
cacttggtgg gctgtccaca gccctgctct tctcagcctt cgaggccagg ggcctcaaa 300
tcttcagtct ctcagagacc acag 324

<210> 943
<211> 597
<212> DNA
<213> Homo sapien

<400> 943
ctgacaaaat tcctgggtta ctagggtgtct ttcagaagct gattgcatcc aaagcaaagt 60
accaccaagg tttttatctt ctaaacagta taatagagca catgcctcct gaatcagttg 120
accaatatag gaaacaaatc ttcatctctg cattccagag acttcagaat tccaaaacaa 180
ccaagtttat caagagtttt ttagtcttta ttaatttgta ttgcataaaa tatggggcac 240
tagcactaca agaaatattt gatggtatac aaccaaaaat gtttggaatg gttttggaaa 300
aaattattat tcctgaaatt cagaagggtat ctggaaatgt agagaaaaag atctgtgcgg 360
ttggcataac caaattacta acagaatgtc ccccaatgat ggacactgag tataccaaac 420
tgtggactcc attattacag tctttgattg gtctttttga gttaccgaa gatgatacca 480
ttcctgatga ggaacatttt attgacatag aagatacacc aggatatcag actgccttct 540
cacagttggc atttgctggg aaaaaaagag catgatcctg taggtcaaag ggtgaat 597

<210> 944
<211> 359
<212> DNA
<213> Homo sapien

<400> 944
ctggaagagg aaaaggagat actgcagaaa gaactctctc aacttcaagc tgcacaggag 60
aagcagaaaa cagggtactgt tatggatacc aaggtcgtat aattaacaac tgagatcaaa 120
gaactgaaag aaactcttga agaaaaaacc aaggaggcag atgaatactt ggataagtag 180
tggtccttgc ttataagcca tgaaaagtta gagaaagcta aagagatgtt agagacacaa 240
gtggcccatc tgtgttcaca gcaatctaaa caagattccc gaggtctcc tttgctaggt 300
ccagttgttc caggaccatc tccaatccct tctgttactg aaaagagggt atcatctgg 359

<210> 945
<211> 367
<212> DNA
<213> Homo sapien

<400> 945
caggatctga agtttggggg cgagcaggat gttgatatgg tgtttgcgtc attcatccgc 60
aaggcatctg atgtccatga agtttaggaag gtccctgggag agaagggaaa gaacatcaag 120
attatcagca aaatcgggaa tcatgagggg gttcggagggt ttgatgaaat cctggaggcc 180
agtgatggga tcatggtggc tcgtggtgat ctaggcattg agattcctgc agagaagggtc 240
ttccttgctc agaagatgat gattggacgg tgcaaccgag ctgggaagcc tgtcatctgt 300
gctactcaga tgctggagag catgatcaag aagccccgcc cactcgggc tgaaggcagt 360
gatgtgg 367

0944050600

<210> 946
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 946
 ccacagaggt ggtattacaa aatatacaaa gtggtttctt tctttacatt tcatagaaga 60
 agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120
 ataacttatg aaaaatgctg tacagggctg tgactataga tatagagtat ttggctctgt 180
 ttgggaattg atatctacaa gggggagggt caggggagga ctgtccgata tcctgacttg 240
 ctgggatggg ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacacca 300
 ctctctcttt cctagacaag gctggagcgc actgg 335

<210> 947
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 947
 cctcttggag cacatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60
 ccagagttac tttagacctc tgggggagct gatgaagttc aacgttgatg cattcaagag 120
 attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttctgaagc agatcaacag 180
 ctccctgggtg gactccaaca tgctgggtgcg ctgtgtcact ctgtccctgg accgatttga 240
 aaaccagggtg gatatgaaa ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300
 atcccagggtg cccacgcaga tgtccttcct ctccgcctc atcaacatca tccacgtgca 360
 gacgctgacc caggagaacg tcag 384

<210> 948
 <211> 173
 <212> DNA
 <213> Homo sapien

<400> 948
 ctgtggaggg gacactgtct ttgaggcatc actggttcca caaagggtag gggaaggtct 60
 tgagggacca ccccatgccc tcattaatca accagaagct tggcctggag cagcagcggg 120
 gattccagta gctgtgggca tacaggatgc tagggcggcc acaaccagg cag 173

<210> 949
 <211> 211
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(211)
 <223> n = A,T,C or G

<400> 949
 ccatccacgt tgnnaaacag aataaaatgg aaattcacct tgtcatctac ccgacattgg 60
 ccttcctgtg ccacggcatc atgggctgcc tgtatggcct cattcttttc aaagcatttt 120
 gctctgtctt caggggacat tttctctgtt tcagaaagaa actgtttcag aactgatcca 180
 tcctcaaate ccagtttgtc ttgattattg g 211

<400> 953
cgcgccact gccgacctc ttggtttctg aaaccaacct ttcttcctgc tctcctcttt 60

aagagcaaac	cccaacatgt	ataaggtcac	agcaagtgg	agccaggaaa	agctgtggga	120
cccctcattt	gagtcacatc	catatggcat	ggagaaagaa	aacctctctg	ccagaaggaa	180
ctgaactctg	gaagtcctaa	ggaagggtcac	catgatcagc	agataggaaa	gcattgccaa	240
gggctgtccc	tcaagagctt	agttttctta	gggagaccag	aaagacatca	gacctgact	300
gccctgtttt	gctcaagttc	tgaaatgagt	ggcatgatga	agagctggtg	gagctgaggg	360
aaagagtcaa	ccatgtgggg	tggggtagtg	aggaagg			397

<210> 954
 <211> 304
 <212> DNA
 <213> Homo sapien

<400> 954						
cctttgtacc	gggccagcaa	ctggaagggc	acagtgtgga	attccagggc	ctgcagagtc	60
ttcttctgga	acagggcctc	gtggctccag	tacagggaca	ggttgaactg	cagctcaaag	120
agctcctcag	ggagcatcat	ggggaagcgg	atcttctcca	ccaagccctc	cacctcctca	180
tgggaggcac	gctcccccca	gctccagggtg	tccacggcct	tcagttagggc	cagctcgctg	240
ggcaccgcca	ggtcgctcct	gggcagcagc	agttggagca	ggtctgtggg	gacactgggc	300
cagg						304

<210> 955
 <211> 156
 <212> DNA
 <213> Homo sapien

<400> 955						
ctgtttcaac	tccttgccaa	gaaaaatgta	gatgcaattc	tggaggagta	tgcaaattgc	60
aagaaatcgc	agggaaatgt	tgataataag	gaatatgcgg	tcaatgaagt	tgtggcagga	120
ataaaagaat	atttcaatgt	gatgttgggc	actcag			156

<210> 956
 <211> 543
 <212> DNA
 <213> Homo sapien

<400> 956						
ctttcatctg	accatccata	tccaatgttc	tcatttaaac	attaccagc	atcattgttt	60
ataaccagaa	actctggtcc	ttctgtctgg	tggcacttag	agtcttttgt	gccataatgc	120
agcagtatgg	agggaggatt	ttatggagaa	atggggatag	tcttcatgac	cacaaataaa	180
taaaggaaaa	ctaagctgca	ttgtgggttc	tgaaaagggt	attatacttc	ttaacaattc	240
tttttttcag	ggacttttct	agctgtatga	ctgttacttg	accttctttg	aaaagcattc	300
ccaaaatgct	ctatttttaga	tagattaaca	ttaaccaaca	taattttttt	tagatcgagt	360
cagcataaat	ttctaagtca	gcctctagtc	gtggttcatc	tctttcacct	gcattttatt	420
tgggtgtttg	ctgaagaaag	gaaagaggaa	agcaaatacg	aattgtacta	tttgtaccaa	480
atctttggga	ttcattggca	aataatttca	gtgtggtgta	ttattaaata	gaaaaaaaaa	540
att						543

<210> 957
 <211> 528
 <212> DNA
 <213> Homo sapien

<400> 957						
ctgtgatcaa	gatgtattaa	aagaatatga	aagagcatct	gggttattct	agaagttctg	60

tgatcaaaac	atattaaaaa	aaattaaagc	gcatctgggt	tattctagaa	gttcctgggc	120
tttatacttg	gatatattaca	gaggaagttg	aacttcaagt	tctgccactc	ttcaaaatgg	180
gtgacaggag	aggacgtgat	aggacagtta	aaaaaaaaatt	gatagtcatt	ctctgatgga	240
gtgaagcaag	ctttgtcaac	catcaacaaa	tatgacttca	ttggtcacaa	gccctgcaga	300
gatccaacaa	gatttgagtt	ttaaatacag	aacatatttc	aaacagaacc	agcagagtgc	360
tgatgtatga	atggaattga	ttgctgaagg	cagagagtat	aaagaatctc	aagaaacttt	420
tagtgccatt	ttcatttaat	aagccattgg	tatagcaacc	taaaaacott	ggctgtgatg	480
acaccaggat	gtgtttatgg	aattgctgca	ggagaacaca	attggcag		528

<210> 958

<211> 451

<212> DNA

<213> Homo sapien

<400> 958

ctgtctgacc	atggggacct	tctgtctgaa	gaggagctgg	atgaatgaga	ctctgggaat	60
catctacaca	ggaccaaaacc	caacaggcgc	cctggcaccg	gggaggcggg	tagttgtact	120
ctgcttgtac	agtccttgag	cccagtttac	agatctggag	agcaggaggc	caggacaagg	180
acaaaggctg	gaggatggag	taggacccag	gggctotgcc	atcctaggca	tcattcaagg	240
tcttttatga	agactttaca	gatgtcctct	gtaagtagca	tcgagagtgg	agttcagctc	300
ctttctctac	ttttttttgg	tctgatggca	catatttatt	gttctgtggt	ctaatacag	360
tgttttctaaa	tgtaaaaagt	gcatatgttg	gtgtagctag	tcccgcgaca	ttgagctcct	420
ctgcatgaag	acactgggct	cctgcatcca	g			451

<210> 959

<211> 158

<212> DNA

<213> Homo sapien

<400> 959

ccagaccaag	gctgctggac	ctatgggaat	attcgggtgt	ctgtagagga	tgtgactgtc	60
ctgggtggact	acacagtacg	gaagttctgc	atccagcagg	tgggcgacat	gaccaacaga	120
aagccacagc	gcctcatcac	tcagttccac	tttaccag			158

<210> 960

<211> 235

<212> DNA

<213> Homo sapien

<400> 960

ctgagcaggg	aatccggccg	gaggaaggag	cagcttaccc	actgcgggtg	ttcaccacag	60
gccaggccct	aatatgcacc	cactagttta	gctcagactc	ctctctacat	atgaatggca	120
aaggcacttt	tgatatacac	tgtaaaatac	actgtatttt	agaatcggaa	tctattttct	180
aatgttcccc	tcaagggctg	agtggcagga	aggttgagga	tgcaggactt	tgcag	235

<210> 961

<211> 375

<212> DNA

<213> Homo sapien

<400> 961

cctggaaaga	aaagggatat	gtccagcgac	ttggagagag	accatcgccc	tcattgttagc	60
atgccccaga	atgccaacta	aactcctccc	tttccttcc	aatttccctt	cttgcatcct	120
tcctataact	tgatgcatgt	ggtttggttc	ctctctggtg	gctctttggg	ctgggtattgg	180

tggttttct	tgtggcagag	gatgtctcaa	acttcagatg	ggaggaaaga	gagcaggact	240
cacaggttgg	aagagaatca	cctgggaaaa	taccagaaaa	tgagggccgc	tttgagtccc	300
ccagagatgt	catcagagct	cctctgtcct	gcttctgaat	gtgctgatca	tttgaggaat	360
aaaattat	ttccc					375

<210> 962
 <211> 409
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(409)
 <223> n = A,T,C or G

<400> 962	
ctggggagggc	ccnccggggc tctcangtgg acaggtccag gcattgggtg aagctggatg 60
aagctggggc	ctnngctcct nctcatcaaa tacagatcac tgnagacctg tcctcctcca 120
tgggtgctggt	ctcctcggcc ccaactgccc tgettctgct ttcttctctc acctcctcct 180
ccccagctc	catgtccagc tcgttgectg cctctgaggg tgtgtaggtg gagccactga 240
tggaacggca	gctaaagaag acgattcgtc tgagccgctt gttgtagaag aagtagttga 300
aggaccagag	gctaccatcc tccccgaagg gatctgagtc caagtctggg ttatagctgt 360
agatgtcaca	ttcagccagg cagatctcct cgtccaccgc gttccacag 409

<210> 963
 <211> 163
 <212> DNA
 <213> Homo sapien

<400> 963	
gccatggcgt	cctatttctga tgaacacgac tgcgagccgt cggaccctga gcaggagacg 60
cgaaccaaca	tgctgctgga gctcgcaagg tcacttttca ataggatgga ctttgaagac 120
ttgggggttg	tagtagattg ggaccaccac ctgcctccac cag 163

<210> 964
 <211> 344
 <212> DNA
 <213> Homo sapien

<400> 964	
ccactggcgt	agttattggc ctggcaggta tagagtccgc tgttcttctc agtgatgttg 60
gagataaaga	gctcttgtgt gtgttgctgg atgttcccat caatcagcca agaatactgt 120
gcagggtgggt	tagaggctgc atggcaggag aggctgaggt tcacccctgg acggtaatag 180
gtgtatgagg	gggaaatggg ggggtcgtct gggccataga ggacattcag gatgactggg 240
tcgtgtgtgt	caacacttaa ttcgttctgg attccacact cataggggtcc tacatcattc 300
cttgtgacac	tgagtagagt gagggtcctg ttgtcattgg acag 344

<210> 965
 <211> 461
 <212> DNA
 <213> Homo sapien

<400> 965	
ctgagctttc	agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60

caggtgtcag	gatcagaatc	atgggtagaa	ggtgccattc	agctcacagc	cgcacccaga	120
atcctttgca	gccctccttc	tttatttttt	tcccattgca	ttctgggagt	ccacatctgg	180
ctttctcagc	cactgttcat	caccaggggt	tttaggagga	aggcttggct	cctgtcttcc	240
cagaaccacc	atgcctggag	aggtcaggat	ggaactacct	cattcggcga	attagcccca	300
aattgaacgc	tgaatcgtgt	cccatgagat	caggcgccat	ctgtaaagtc	tcctctggaa	360
atgccaatcc	atccttcccc	cag				383

<210> 970
 <211> 543
 <212> DNA
 <213> Homo sapien

ctgtagcttt	tgtgggactt	ccactgctca	ggcgtcaggc	tcaggtagct	gctggccgcg	60
tacttggtgt	tgctttgttt	ggagggtgtg	gtggtctcca	ctcccgctt	gacggggctg	120
ctatctgcct	tccaggccac	tgtcacggct	cccgggtaga	agtcacttat	gagacacacc	180
agtgtggcct	tggtggcttg	aagctcctca	gaggagggcg	ggaacagagt	gaccgagggg	240
gcagccttgg	gctgacctag	gacggtcagc	ctggtccctc	cgcggaacac	cgaagtgcta	300
ctgtttgtat	atgagctgca	gtaataatca	gcctcgtcct	cagcctggag	cccagagatg	360
gtcagggagg	ccgtgttgcc	agacttggag	ccagagaagc	gattagaaac	ccctgagggc	420
cgatcagtga	catcataaat	catgagtttg	ggggctttgc	ctgggtgctg	ttggtaccag	480
gagacatagt	tataaaaacc	aacgtcactg	ctggttccag	tgcaggagat	ggtgatcgac	540
tgt						543

<210> 971
 <211> 416
 <212> DNA
 <213> Homo sapien

ccagactgac	ttcaaaaaat	taatgtgtat	ccagggacat	tttaaaaaacc	tgtacacagt	60
gtttattgtg	gttaggaagc	aatttcccaa	tgtacctata	agaaatgtgc	atcaagccag	120
cctgaccaac	atggtgaaac	cccatctgta	ctaaacataa	aaaaattagc	ctggcatggt	180
ggtgtacgcc	tgtaatccca	gtgacttggg	aggctgaggc	aggagaatcg	cttgaacccg	240
ggaggcggag	gttgacagtga	gctaagatcg	caccactgta	ctccagcctg	ggcaacagcg	300
agactccatc	tcaaaaaaaaa	aggaaatgtg	tatcaagaac	atgattatcc	aggggtatgt	360
tctaattcag	atcatcaaac	tgattatata	gaagagttgg	ctttaaaatg	tttgca	416

<210> 972
 <211> 242
 <212> DNA
 <213> Homo sapien

ccaaaaatcc	caaaacatca	ttttcaatca	gtagagaagt	gcttaggggt	gaaaattgat	60
ttcatttgct	actgaatttg	gtaaatcctg	ggtaactttt	atcaagatga	agacatttta	120
ccctacctac	tctagaaata	tacaacaatg	ttatatttta	cactccttgg	aaacatttga	180
ggaaaaaaat	gcaatttgca	cttcactttg	ttggaatatc	ccatagcact	caataaactc	240
ag						242

<210> 973
 <211> 347
 <212> DNA
 <213> Homo sapien

<400> 973
 cctgcagggg atggaacctt ccagaagtgg gcggctgtgg tggcgcttc tggagaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgocca agcccctcac cctgagatgg 120
 gagctgtctt cccagccac catccccatc gtgggcacatc ttgctggcct ggttctcctt 180
 ggagctgtga tcaactggagc tgtggctgct gccgtgatgt ggaggaggaa gagctcagga 240
 cattttcttc ccacagatag aaaaggagg agttacactc aggctgcaag cagtgcacgt 300
 gcccagggct ctgatgtgtc tctcacagct tgtaaaagtgt gagacag 347

<210> 974
 <211> 571
 <212> DNA
 <213> Homo sapien

<400> 974
 gaaagagcga gatgcgagaa cacttttggc taaaaatctc ccttacaaag tcaactcagga 60
 tgaattgaaa gaagtgtttg aagatgctgc ggagatcaga ttagtcagca aggatgggaa 120
 aagtaaaggg attgcttata ttgaatttaa gacagaagct gatgcagaga aaacctttga 180
 agaaaagcag ggaacagaga tcgatgggag atctatttcc ctgtactata ctggagagaa 240
 aggtcaaaat caagactata gaggtggaaa gaatagcact tggagtgtgt aatcaaaaac 300
 tctggtttta agcaacctct cctacagtgc aacagaagaa actcttcagg aagtatttga 360
 gaaagcaact tttatcaaaag taccacagaa ccaaaatggc aaatctaaag ggtatgcatt 420
 tatagagttt gcttcattcg aagacgctaa agaagcttta aattcctgta ataaaaggga 480
 aattgagggc agagcaatca ggctggagtt gcaaggaccc aggggatcac ctaatgccag 540
 aagccagcca tcctaaaactc tgtttgtcaa a 571

<210> 975
 <211> 221
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(221)
 <223> n = A,T,C or G

<400> 975
 ctggaggtgc ctcanaaggt gcattctgct tcctgcaggg gcttgaacaa ccaaggcact 60
 ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
 gggtagccgc agtccacct gtccctggct ggacagccac actggtttgc agacaggccc 180
 acgtactcct cagcagagct ggaggacagc aaggccagga c 221

<210> 976
 <211> 316
 <212> DNA
 <213> Homo sapien

<400> 976
 ccatcagatt gtcacagact tttataacct tttgatccct accaacgtta agtatgagtt 60
 tggccctgcc atcttcattg gctgggcagg gtctgcccta gtcaccttg gaggtgcact 120
 gctctcctgt tcctgtcctg ggaatgagag caaggtctgg taccgtgcac cccgctctta 180
 ccctaagtc aactcttcca aggagtatgt gtgacctggg atctccttgc cccagcctga 240
 caggctatgg gagtgtctag atgcctgaaa gggcctgggg ctgagctcag cctgtgggca 300
 gggtgccgga caaagg 316

<210> 977
 <211> 335
 <212> DNA
 <213> Homo sapien

<400> 977
 cctgtttgtc tgtacagcaa tgcagatgcg caggcccatc ctggtggagg acccagatgc 60
 agggagcaaa tattcgggtt gtgttgctaa gagtgcagg aactactgct agtgatacta 120
 ggcttgctgc aggaggatgt cacgctgaga aaggagatg actaggagca gaaaaagtac 180
 tctcactggt ccagcttcca gcccatacct agcagaatga atgcatttta aaatcagtc 240
 acattcacat gtgctgagaa ggttggttagt ggtccctcat ctgggcaaag cagacccaag 300
 atggtgctaa gtgcagagtg cagagcattc ttgtg 335

<210> 978
 <211> 280
 <212> DNA
 <213> Homo sapien

<400> 978
 cctaacaccc aagctcttcc ttgcagaaga gctgagatgc taaggagacc atctggagtg 60
 tcataataag cccttgggat ttgctgagct cccacatggc tttcttcaac cacctggccc 120
 actttcttca accacattcc actttggaat gcgtgtcttt aaggcaccaa gtgatcttaa 180
 gaatgggctc tgtttttgaa ttcagcaatc caagttccta tctatctcgg tgggacctcc 240
 aaaaaaaga aaaaggattg gcttggcttc taatgtaagg 280

<210> 979
 <211> 318
 <212> DNA
 <213> Homo sapien

<400> 979
 ctgtccagat gacagtaaga ttccactgtc tgtaatcctc atggtgccag gtctcctggg 60
 gcatctaagg caatgatgct actgcagttt atgcagttac acagtcaagt ctgtgccaaa 120
 ggaggtccca tcgggcggcc aggtttctgt tcagctcggg gagcaatgcc aactggctgc 180
 ccccatagcc tggcatgagc tgatggccca gtgcaatccc aaagcaaaga agggcagaac 240
 tgggccaaga agctgtggtg atttgctctc cctgcctccg acagcgtcgt cctctccttt 300
 tgcagcccca cagcagg 318

<210> 980
 <211> 568
 <212> DNA
 <213> Homo sapien

<400> 980
 ccagcactgg ctcttctgat gttttcctag gacattagga caagccgaag ccctggacaa 60
 aatctgtgaa gtggatctag tgatcagttt gaattattcca tttgaaacac ttaaagatcg 120
 tctcagccgc cgttggattc accctcctag cggaagggtg tataacctgg acttcaatcc 180
 acctcatgta catggtattg atgacgtcac tggtgaaccg ttagtccagc aggaggatga 240
 taaacccgaa gcagttgctg ccaggctaag acagtacaaa gacgtggcaa agccagtc 300
 tgaattatac aagagccgag gagtgtccca ccaattttcc ggaacggaga cgaacaaaat 360
 ctggccctac gtttacacac ttttctcaaa caagatcaca cctattcagt ccaaagaagc 420
 atattgaccc tgcccaatgg gagaaccagg aagatgtggt cattcattca atagtgtgtg 480
 tagtattggt gctgtgtcca aattagaagc taactgaggt agcttgagc atctcttcta 540

gttgaaatgg tgaactgata ggaaaaca

568

<210> 981

<211> 550

<212> DNA

<213> Homo sapien

<400> 981

ccatccccct	ttagaacgta	tcttaatgtg	aacataaatt	gttcttcatg	atgcttaaaa	60
gcttacatat	aattttcatt	cttagaaaaa	cgccacattt	tggatcctgg	atttttctga	120
atatcatgat	tgaaaaaaac	aaaacaaaaa	atgaacccaa	atcaaagtgt	ggttaaactt	180
atatgagaaa	gatttttcaa	ccagatggtc	attcaaaaaa	gttggagctg	taagtgccgg	240
cgactgagga	cacagggtta	attcctcgct	gctgggtgaa	ggctagagaa	catcttcaaa	300
agagggtagc	aagacgtgct	cctaggggag	gctcagtggt	gtctcgtctg	ccaagcatt	360
ttcagtcctg	cttgggtcaat	gacatcgagt	aagttttttg	catccacagc	cagggcgtga	420
gcagcagtca	gcatttgctt	tttgtactct	tgctggaggc	tggtcatgac	atactgctgg	480
gccagtttca	tcttgttgat	gagctcaccc	aggtcagagt	tcaatagctt	ctgtgccatc	540
tcaatctctc						550

<210> 982

<211> 524

<212> DNA

<213> Homo sapien

<400> 982

ccaaggctcag	aggetgatgc	aacaggccct	cttctcccca	gggccaggct	cctgtccagc	60
ctgggcactg	cccagagtga	tggcattggt	cgggatgctg	ttctgtctct	gcttggacac	120
cttcgcaaag	atttctttca	ggacagtctc	aaaggctagc	tcaacattgg	tagagtccag	180
ggctgaggtc	tccaggaaga	gcagtccatt	gttttcagcg	aacattcggg	cctcctcagt	240
gggcacttcc	cgggcctggc	tgaggtcact	tttgttaccc	acgagcatga	cgacgatcgt	300
ggcttcagca	tggtcataga	gctccttcag	ccatcgctcc	accacagcat	aggtctgggtg	360
cttggtttag	tcaaacacca	ggaggggccc	cactgcacca	cgatagtacc	cttgaagaca	420
aagttataat	cttcctcagt	tccattcccc	atcttggtct	cgcattggagg	gtgcagggtgt	480
cttcggggac	agaggcgaca	aatctgtgtg	ttggctcaat	gcc		524

<210> 983

<211> 140

<212> DNA

<213> Homo sapien

<400> 983

ccttcgtgcc	ctaacagcca	gtcccctggt	aaagtggaag	agacctgtgg	ctgccgctgg	60
acctgccct	gtgtgtgcac	aggcagctcc	actcggcaca	tcgtgacctt	tgatgggcag	120
aatttcaagc	tgactggcag					140

<210> 984

<211> 358

<212> DNA

<213> Homo sapien

<400> 984

tggagcggcc	gcccggcagg	tccaacgagt	cacaacagtg	caataggtag	aggattaaaa	60
actgcatcaa	acaggtgctg	aaaataaata	ctacctagga	gaaggagggtg	agagccctcg	120
tgtgggggtt	gttttcgacc	ccttgagtg	gtgtgggggtt	tgtcttccga	gccacgagcc	180

tgccctgtct	cgcggtgctg	ttcaactctga	cagagtgcgc	ctgcagcacg	ttgcctccag	240
ggcccagcct	cccagaagcc	tcagagcatc	agagcatccg	tcccatcgga	tgaccagaa	300
acaagaaaat	ggggtggggt	gaatcacagc	tatcattcaa	aggaaaggaa	tttttttc	358

<210> 985
 <211> 450
 <212> DNA
 <213> Homo sapien

<400> 985						
ctgaccccc	tttgtccaca	gctaagatgg	cagcagaatg	ctatgtcact	atatacagaa	60
acaagacaac	ctgaagctaa	atggatgccc	cctgcagagt	caacaggtec	agcctcacag	120
tgcacgcct	gagctacagc	ctctcccaaa	aggcatcttc	cccacagcct	caacgccgag	180
caaggagcat	caagggtttg	tctcggttgt	tttgttcttt	ttacaaacta	tagatatata	240
cagttgaaaa	ctcaggattt	ctagccaata	accatagtta	ccaccacctt	acaaataaaa	300
agaaaatgcc	agaacatct	ttaaattgcct	tgtcacacca	acagcaaagt	gcacagagtg	360
aggagaacac	gagagtgcct	tttcatttta	aaaatgtttg	gaaatatgta	caactttgat	420
acagtttcag	ggtgctccag	acacccatgg				450

<210> 986
 <211> 340
 <212> DNA
 <213> Homo sapien

<400> 986						
cctcctgcca	gcagttcttg	aagcttcttt	ttcattcctg	ctactctacc	tgtattttctc	60
agttgcagca	ctgagtggtc	aaaatacatt	tctgggccac	ctcagggaac	ccatgcatct	120
gcctggcatt	taggcagcag	agccctgac	cgtccccac	agggctctgc	ctcacgtcct	180
catctcattt	ggctgtgtaa	agaaatggga	aaagggaaaa	ggagagagca	attgaggcag	240
ttgaccatat	ccagttttat	ttattttatt	ttaatttggt	tttttctcca	agtccaccag	300
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<210> 987
 <211> 227
 <212> DNA
 <213> Homo sapien

<400> 987						
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acaaacggaa	taccacgtgg	caggccgggc	acaacttcta	caacgtggac	atgagctact	120
tgaagaggct	atgtggtacc	ttcctgggtg	ggccaagcc	acccagaga	gttatgttta	180
ccgaggacct	gaagctgcct	gcaagcttcg	atgcacggga	acaatgg		227

<210> 988
 <211> 241
 <212> DNA
 <213> Homo sapien

<400> 988						
cctcttttta	ccagctccga	ggtgattttc	atattgaatt	gcaaattcga	agaagcagct	60
tcaaacctgc	cggggcttct	cccgcctttt	ttcccgccgg	cgggagaagt	agattgaagc	120
cagttgatta	gggtgcttag	ctgttaacta	agtgtttgtg	ggtttaagtc	ccattggctc	180
agtaagggct	tagcttaatt	aaagtggctg	atttgcgttc	agttgatgca	gagtgggttt	240
t						241

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<400> 992
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cctcccaaca gtctcctttg tacgtgctgn nctctctgcc tggaaacact gtttcccacc    120
cccaaccccc aattctttctg tttatttttc ttgagacaga gtctcactgt gtagcccaga    180
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ctggagtgca	gtggcgcgat	ctcggctcac	tccaatctcc	gcctcccggg	tccctgttca	240
agcagttctc	ctgcctcagc	ctcctgagta	gctgggatta	caggcacacg	ccaccatgtc	300
cagctaattt	ctgtattttt	agtagagatg	gggtttcacg	atgttggtta	ggatggtctc	360
gatctctggg	cagagtcttt	tctgtaaata	tccttggtta	agaagcaatt	ttagactgta	420
gctgttgcaa	atgctttaag	gaagaagcaa	aacaactgtc	agtcttctg	aaatgaagaa	480
actacaccag	ggctgctata	tcagagcaac	cccaaccagg	actncaatca	tgatg	535

<210> 993

<211> 232

<212> DNA

<213> Homo sapien

<400> 993

ctgctgctct	cccctcccag	tctctactca	ctgggatgag	gttaggtcat	gaggacacca	60
aaaacctaaa	aataaaca	aagccaaaca	agccttagct	tttcttaaag	gctgaaatgc	120
ctggaagtgt	ccctttattt	ataaaataac	ttttgtcata	tttcttatac	atgtttcttg	180
taagaaattc	agaaactaca	gacaaagaga	gtggaaatta	cccactgtca	gg	232

<210> 994

<211> 203

<212> DNA

<213> Homo sapien

<400> 994

ccagcagatc	atccacgacg	accacccctct	gtcctggctc	cagggcgtct	ttctgaatct	60
ccagctcagc	cttcccgtac	tccagggaat	aggaggccca	cagagtgggg	cctggcagct	120
tccccgctt	tcggatgagc	acgcagccca	gtccaagctc	ctgggcccagg	gaggggccaa	180
agaggaagcc	tcgggagtct	agg				203

<210> 995

<211> 238

<212> DNA

<213> Homo sapien

<400> 995

ccatgcctgc	cccgccact	ctgtatatat	gtaagttaaa	cccgggcagg	ggctgtggcc	60
gtctttgtac	tctggtgatt	tttaaaaatt	gaatctttgt	acttgcatg	attgtataat	120
aattttgaga	ccaggtctcg	ctgtgttgct	caggctgggc	ccaaactcct	gagatcaagc	180
aatccgccca	cctcagcctc	ccaaagtgtc	gagatcacag	gcgtgagcca	ccaccagg	238

<210> 996

<211> 379

<212> DNA

<213> Homo sapien

<400> 996

ctgcagcctg	ggactgaccg	ggaggctctg	accatttacc	caccacaggt	aggttggtgt	60
ctgaacctca	ggttcacagg	tgaaggccac	agcatccttg	tcctccacgg	ggttggaagt	120
gttgctggag	atggagggtc	tgggcagctc	cgggtataca	tggaaactgtc	cggttgcttc	180
ttcattcaca	agatctgact	ttatgacttg	tagggatatag	aatcctgtgt	cattctgggt	240
gacgttctgg	atcagcaggg	atgcattggg	gtatattgtc	tctcgaccac	tgtatgcggg	300
ccctggggta	gcttggtgag	ttcctattac	atatacctaca	attagactgt	tgccatccac	360
tctttcgctc	ttgtaccag					379

<210> 997
 <211> 210
 <212> DNA
 <213> Homo sapien

<400> 997
 ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
 agctttgggtg caattcccat cgaccagagt tgggccgacc agccttggaa aggtcactga 120
 aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagg 180
 ccgtggagaa gtgtaaagat gcaggattgg 210

<210> 998
 <211> 207
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(207)
 <223> n = A,T,C or G

<400> 998
 ggtggctgtg ctggggggcgc cccacaaccc tgctcccccg acgtccaccg tgatccacat 60
 ncgcagcgag acctccgtgc ccgacctgt cgtctggtcc ctgttcaaca ccctcttcat 120
 gaaccctgc tgcttgggtc tcatagcatt cgctactcc gtgaagtcta gggacaggaa 180
 gatggttggc gacgtgaccg gggccca 207

<210> 999
 <211> 315
 <212> DNA
 <213> Homo sapien

<400> 999
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 atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
 tggcagacct catgcaatgc cctccatggt aatattcatc agaaaatgga taattagggg 180
 ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240
 tcatctcttc tgaagtcaac tggaaatcaa acacctgcac gttctgtctg atgcgctgct 300
 cattgtagct cttgg 315

<210> 1000
 <211> 186
 <212> DNA
 <213> Homo sapien

<400> 1000
 ctgttactca agaagatgta tttaatgctt gacaataaga gaaaggaagt agttcacaaa 60
 ataataagat tgctgaatgt cactgaactt acccagaatg ccctgattaa tgatgaacta 120
 gtggagtgga agcggagaca gcagagcgcc tgtattgggg ggccgcccac tgcttgcttg 180
 gatcag 186

<210> 1001
 <211> 173
 <212> DNA

<213> Homo sapien

<400> 1001

ccacaaagcg	gaaactcatc	cacttttgcc	ttttccgcc	ccagggtcaaa	aatgcgaatc	60
ttggcatcag	ggacacctcg	gcagaagcga	gactttgggt	acggcttggt	cttacaatac	120
cggtaacaac	gggcggggcg	gcggcccatg	gcgacaccag	gatcttcagt	ggc	173

<210> 1002

<211> 302

<212> DNA

<213> Homo sapien

<400> 1002

ctgaatgcct	gagcccagca	gggagctgag	gatcatgggg	tactgggggg	gcctgaagac	60
gtcgccgtgc	accaacttcc	acccagactc	ctccatgggt	tcttcaatgt	catcctcctt	120
gttgtagttg	gcaatgtcct	tccggagggt	ccgaatgata	atcatgctca	ggataacctga	180
caggaaagaag	accacaacaa	cggagttaat	gatagaaaac	cagtggatct	ggacgtcact	240
catggtcagg	taagtgtccc	agcgagaggc	ccatttgata	tcactttcct	cccagtggac	300
ag						302

<210> 1003

<211> 368

<212> DNA

<213> Homo sapien

<400> 1003

cctgggcccg	ctgacttcag	ggtgaggcca	cagctactgc	agcgcttttt	atatttttat	60
ttatttactg	agatggagtc	ttgctctgtc	acccaggctg	gagtgcagtg	gtgcaatctc	120
ggctcactgc	aacctctgcc	tccctgggctg	cagtgtttct	cctgcgttca	agtaattctc	180
ctgcctcggc	cttctgagta	gttgggatta	caggcatatg	ccaccacact	tggctaattt	240
tttgatattt	tagtagaaat	ggggtttcac	catgttggcg	aggetgggtc	cgaactcccg	300
acctcaagga	tectcctgcc	tcggcctcct	aagggtgctg	gattgcaggt	gtgagccacc	360
acgtctgg						368

<210> 1004

<211> 294

<212> DNA

<213> Homo sapien

<400> 1004

ctgggcggat	agcaccgggc	atatttttga	atggatgagg	tctggcacc	tgagcagtcc	60
agcgaggact	tggctcttagt	tgagcaattt	ggctaggagg	atagtatgca	gcacggttct	120
gagtcgtgtg	gatagctgcc	atgaagtaac	ctgaaggagg	tgctggctgg	taggggttga	180
ttacagggtt	gggcacagct	cgtacacttg	ccattctctg	catatactgg	ttagtgaggt	240
gagcctggcg	ctcttctttg	cgctgagcta	aagctacata	caatggcttt	gtgg	294

<210> 1005

<211> 414

<212> DNA

<213> Homo sapien

<400> 1005

ctgaagcact	cttcagagac	tacgtccaca	gacactgatg	ctgaggcctt	tcttgtaagt	60
gaagaaaaag	gaatgcagca	aagaagagtt	cgacattgga	gtccttagtt	ccatcaggat	120

0934966-050304

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cccattcgca gccttttagca tcatgtagaa gcaaactgca cctatggctg agataggtgc      180
aatgacctac aagattttgt gttttctagc tgtccaggaa aagccatctt cagtcttgct      240
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaagc agccgaacca      300
atgattaaag acctctaagg ctccataatc atcattaaat atgccccaac tcattgtgac      360
tttttatattt atatacagga ttaaaatcaa cattaaatca tcttatattac atgg          414

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<210> 1006
<211> 272
<212> DNA
<213> Homo sapien

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<400> 1006
ccggagccca cgggtggatcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc      60
ttgtgtcctt ccagctctgc tgaggagtac gtgggcctgt ctgcaaaacca gtgtgccgtg      120
ccagccaagg acaggggtgga ctgctggctac ccccatgtca cccccaagga gtgcaacaac      180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag      240
gaagcagaat gcaccttctg aggcacctcc ag          272

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<210> 1007
<211> 313
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

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<400> 1007
cctgccttac tctnttcctt ttccccaggg actcttggtt ttcagaagcc cctctggaat      60
gtcctacctg gcctaaccct ataccagcag tgcagacaag gaggcactcc tactatagtg      120
ggtcacagcc atggagagac tcaacttctg ccccaacaac tcttccccta gacctgagg      180
gccaggacaa tgtcttagtg ccttccaact tggcagagtg aggcccatg agacagagag      240
aaagggggaa gagggaaata cctttatcca aataaatacc catccaaaat tatttgtgat      300
aggtgaaaaa tgg          313

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<210> 1008
<211> 317
<212> DNA
<213> Homo sapien

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<400> 1008
cctcaatgtc gtgctagagg ggccgaagaa ggccgtgaac gacgtgaatg gcctgaagca      60
atgtttggca gaattcaagc gggatctgga atgggttgaa aggcctgatg tgacactggg      120
tccggtaccg gagatcgggt gatctgaggc gccagcacct cagaacaagg accagaaagc      180
tgttgatcca gaagacgact tccagcgaga gatgagtttc tatcgccaag cccaggccgc      240
agtgccttga gtcttaccct gcctccatca gctcaaagtc cctaccaagc gacccactga      300
ttattttgcg gaaatgg          317

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<210> 1009
<211> 456
<212> DNA
<213> Homo sapien

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<400> 1009
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 ttgacatttc tttaaacaaa tacttctgtc aaggcacagc attaccatgt gtccccagat 120
 gcccaagagg cagtgatttc atgtccccct gaggttttagc agagccacca atgtcaatag 180
 ggtggctgac ggggcctaga tttgctacca gataagccaa tgagacatgc tgtcagattt 240
 atggttacat aatcaagtat ttaaaaagat gcacaatagg taactgcaat gagcttgttc 300
 tgcatttagc gatagttcct ttcaaacaaa gaagatagtt ttcagtatca agaaggatgc 360
 ctatatgtat gtcttccatg gagectttcc tacaattgc tttcattaca cattaaaagg 420
 agttcagctt tattgtgacc ttcttgagtc attcag 456

<210> 1010
 <211> 196
 <212> DNA
 <213> Homo sapien

<400> 1010
 ctgggcatgg gctgaggaga ggtcttgctt gcccccttca actttccatc tcagaactat 60
 aaactgctag gctgcaagga gagaagggtt aagtgggggt cagacaggag agaagggcag 120
 gaggcagtga gccccgatga ccaccaact ccaccaggcc ctgacaggga agcccccttg 180
 gttagtatca ttttgg 196

<210> 1011
 <211> 449
 <212> DNA
 <213> Homo sapien

<400> 1011
 ccttgcggt gctgcgaaag gccacggcgc tgcttgcccg ccggggccgag tactttgatg 60
 gttcagagcc cgtgcagAAC cgcgtgtaca agtcaactgaa ggtctggtcc atgctcgccg 120
 acctgaagga gagcctcggc accttccagt ccaccaaggc cgtgtacgac cgcatacctgg 180
 acctgcgtat cgcaacaccc cagatcgtca tcaactatgc catgttcctg gaggagcaca 240
 agtacttoga ggagagcttc aaggcgtacg agcgcggcat ctgctgttc aagtggccca 300
 acgtgtccga catctggagc acctacctga ccaaattcat tgcccgtat gggggccgca 360
 agctggagcg ggcacgggac ctgtttgaac aggctctgga cggctgcccc ccaaaatatg 420
 ccaagacctt gtacctgctg tatgcacag 449

<210> 1012
 <211> 289
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

<400> 1012
 ccaggaccac aaccccaagc tgtagctggt agcgcagggc aatcagggct ggggttcgct 60
 tgtgttttt tgccaaggca caaaggactg ggtcctccaa gagcaccggg gagttcgggt 120
 ccacccatgg ttcttctcgg tgggatccca gagcactata ggcaaccaga acaatgtctt 180
 ttgacttgca gaaatccagc agttttctct ggttgaagta aggatgacat tccacctggt 240
 tgacagacag cttgtacttg agccctggct tgtnnaggat catctccag 289

<210> 1013

<211> 221
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(221)
 <223> n = A,T,C or G

<400> 1013
 tctgtaaaatg ctgogttcct aatttagtaa aataaaagaa tagacactaa aatcatgttg 60
 atctataatt acacctatgg gatcaataag catgtcanna ctgattaatg tctactgtaa 120
 aaatttggtgta gnnaaatttt catttgatat tagatataaa tatctgaata taaataattn 180
 taatatacta gtcatgatgt gtgttgatt ttaaaaatta t 221

<210> 1014
 <211> 512
 <212> DNA
 <213> Homo sapien

<400> 1014
 gggcccccga agcctctaca atgggctggt tgccggcctg cagcgccaaa tgagctttgc 60
 ctctgtccgc atcggcctgt atgattctgt caaacagttc tacaccaagg gctctgagca 120
 tgccagcatt gggagccgcc tcctagcagg cagcaccaca ggtgccctgg ctgtggctgt 180
 ggcccagccc acggatgtgg taaaggtccg attccaagct caggcccggg ctggaggtgg 240
 tcggagatac caaagcaccg tcaatgccta caagaccatt gcccgagagg aagggttccg 300
 gggcctctgg aaagggacct ctcccaatgt tgctcgtaat gccattgtca actgtgctga 360
 gccggcgacc tatgacctca tcaaggatgc cctcctgaaa gccaacctca tgacagatga 420
 cctcccttgc cacttcactt ctgcctttgg ggcaggcttc tgcaccactg tcatcgccctc 480
 ccctgtagac gtggtcaaga cgagatacat ga 512

<210> 1015
 <211> 553
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

<400> 1015
 ctgggcagga agattatgat cgcccgaggc cctctccta cccagatacc gatgttatac 60
 tgatgtgttt ttccatcgac agccctgata gtccagaaaa catcccagaa aagtggaccc 120
 cagaagtcaa gcattttctgt cccgacgtgc ccatcatcct ggttggaat aagaaggatc 180
 ttcggaatga tgagcacaca aggcgggagc tagccaagat gaagcaggag ccggtgaaac 240
 ctgaagaagg cagagatatg gcaaacagga ttggcgcctt tgggtacatg gagtgtctcag 300
 caaagaccag agatggagtg agagaggttt ttgaaatggc tacgagagct gctctgcaag 360
 ctagacgtgg gaagaaaaaa tctgggtgcc ttgtcttctg aaaccttgct gcaagcacag 420
 ccttatgcg gttaattttg aagtgtgtt tattaatctt agtgtatgat tactggcctt 480
 ttcatttat ctataattta cctaagatta caaatcanga agtcatcttg ctaccagtat 540
 ttagaagcca act 553

<210> 1016

<211> 431
 <212> DNA
 <213> Homo sapien

<400> 1016
 ccacttcaca tgatggcggg cctttaagag cacaaagaag tttaatatgg acaacaacag 60
 gaaaaagcaa gaagaaaaca agtagggaaa gacagctaac ctggagagag agaatttctt 120
 taacctttat gttcttcatt aaaaatctta tcttggaactg atttgaggga tttttagaaa 180
 catggcctta ttttatataa gcattacctt cccaggaatc tttgttgtat attaatTTTT 240
 gataaccatt tgattaactt taaaattaag tatatgtgtg tatatataca tatgtatgtt 300
 tatatacaca catgtatctg tatagtTTTT tatatacata tatacacata gacatacaga 360
 gaaccactac tttgtaatatg tgtacagttt gttttatatc tctttacttt ttttgttact 420
 attttatctg t 431

<210> 1017
 <211> 490
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(490)
 <223> n = A,T,C or G

<400> 1017
 ctggaagaac aaggcgaagt tctgggtggct gtctgcgatg aatgtgccct tggetttggc 60
 tgggtatgtc acccggttag ttttgggtgc aatgctctga tccttatcca cggtggaaa 120
 atcaacattt gtgatgcaa cttcagtgga gatcttgact ctgagctcta cggtatttgc 180
 aatataccgg ttgtcacctt caacttcgac aaggaagtca taataaccac tggaaaattt 240
 gacgttcatg aaatttagtt caaaaacatc ccctacaggg gtgaaggatg tcttctggag 300
 gacagtggct ctggaagcaa cagatttagc atgttctagt ttaacagtgg cctgagtcag 360
 aggctgagac agaacattgg tgacttgcaa ccgcaagata gcctgttcat gagtgtcggg 420
 agcagancct tcangcaca ccacaactgg cactggtag cgattatgcg agagcacagg 480
 cagacctcgg 490

<210> 1018
 <211> 503
 <212> DNA
 <213> Homo sapien

<400> 1018
 ggagtaagct gagtacaagt accatagcag cagagctgca aaaggctctg ggacctatag 60
 tcctaagtca agataaggct atggggccta aggccatggg gcctgaggca cccctagacc 120
 ctgagccttc agcattttaag ggagggtgtc ccccatctct cgataggcca tggtagacag 180
 atgggtctag ccgaggtgct ataactgctt ggaccactgt tgcagtccaa cctagtactg 240
 acactatatg gtttgaaacc cgggtgtggac aaagtagcca atgggctgaa cttagagcag 300
 tgtggatggt gatcaccaag gaggtgacac tgatggtaat ctgtatcaat agctgggtgg 360
 tctaccaagg cttaactttg tgggttaacta cctggaaaat acagaagtgt ctagtcggcc 420
 accaaccctt ttgggggtcaa gccacgtggc aagacctctg ggaaatgggt catcagaaac 480
 aggtaaccgt ttatcatgtg tca 503

<210> 1019
 <211> 348
 <212> DNA

<213> Homo sapien

<400> 1019

cctgtgtatg	gagtagaggg	gggtgcacgg	gtactgttcc	tcacggcagt	caagaggccc	60
aggctctgtg	ggctccagct	ctgcatttcc	cggttctggg	gttggggctg	ggatgacttc	120
ctgttggact	tgctgctggg	actggaactg	gaactgttcc	tcggagggcc	gaggagtcac	180
ctcttgataa	tcatagtagt	ctgggttgct	gatctggctg	ctatagtggg	tgtactggac	240
gtggtcaggg	aacggcgcca	gcgggtccag	gtcatactgg	ccctgagcca	gcaagcctgc	300
aggcaggaat	agcaggaaga	ggtaggcagc	tctcatggca	acaaagag		348

<210> 1020

<211> 260

<212> DNA

<213> Homo sapien

<400> 1020

ccacacggcg	accgagggac	agatggggcc	ctgcgtccca	taggctgcct	gaaggtgggt	60
agggcgccct	gcggcatagt	ggggtggctg	tgggctccca	gcctggcccc	tgggaaccgt	120
gggagcacag	ggacaagcac	atggctatgg	aatgcagggt	gacccaagga	caagcgagtt	180
gcggggatct	ctactgtgac	catgcagaat	tgatcgcagt	ctgctgcgcc	accaccacct	240
catgttcccc	aggggaacag					260

<210> 1021

<211> 407

<212> DNA

<213> Homo sapien

<400> 1021

ccttatgact	ataacggccc	acgagaaaaa	tatggaatcg	ttgattacat	gatcgagcag	60
tccgggcctc	cctccaagga	gattctgacc	ctgaagcagg	tccaggagtt	cctgaaggat	120
ggagacgatg	tcatcatcat	cggggtcttt	aagggggaga	gtgaccacgc	ctaccagcaa	180
taccaggatg	ccgctaacia	cctgagagaa	gattacaaat	ttcaccacac	tttcagcaca	240
gaaatagcaa	agtctctgaa	agtctcccag	gggcagttgg	ttgtaatgca	gcctgagaaa	300
ttccagtcca	agtatgagcc	ccggagccac	atgatggacg	tccagggtct	caccagggac	360
tcgcccatca	aggacttcgt	gctgaagtac	gccctgcccc	tggttgg		407

<210> 1022

<211> 140

<212> DNA

<213> Homo sapien

<400> 1022

ccaccccaga	gtgggagagg	ctgggaggtt	gggaggctgt	ggagagaagt	gagcaagggtg	60
ctcttgaacc	tgtgctcatt	ttgcaatttt	atcagtaatt	tgaacttagag	tttttacgaa	120
acctcttttg	ttgtccttgc					140

<210> 1023

<211> 280

<212> DNA

<213> Homo sapien

<400> 1023

ctggagggtgc	ctcagaaggt	gcattctgct	tccctgcaggg	gcttgaaaca	ccaaggcact	60
ccagggatcc	tggagtcaaa	gcagcagccc	cggttgttgc	actccttggg	ggtgacatgg	120

gggtagccgc agtccaccct gtccttggct ggcacggcac actgggtttgc agacaggccc 180
 gcgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240
 gctctggcag ccatgaccac cgtgggctcc gggacgcagc 280

<210> 1024
 <211> 274
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(274)
 <223> n = A,T,C or G

<400> 1024
 cctggctgag caggcagagc accctgggac cccagggcag aaggaccctt gccctccagt 60
 ccccaagacc caggcccgtc tccactcata caagccacct acatgtgacg tcagccctga 120
 aaaggtaaca ggaaagtcca gaacaaaaaac aaaccccaa aagtaaaaag gctacgtgta 180
 gcagagtaat accggaaacg ttatatacac aggcggtgat ggccccctcg gaagtgtccg 240
 ggtcacttag ggggcactgc anaggtcctt gtgg 274

<210> 1025
 <211> 446
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 1025
 gcaaagagtg tactgtgctt gaggcagagc actcacacat aaatggctgt gtgtggaatt 60
 gcttgccaaa gaagtttcta gcctttccct ttcccctaac tgcatacagg aagaattctt 120
 atctctagct tggtttccac atgaggtttt tctgagaagg gcttgggaca agaagtctgt 180
 catgttagtt aagcaggcaa gaaatcctac taatccagtt ttgtttgaaa gttgtttgtc 240
 cgtatgattt tttaaaagtc aagtttaatt tcaaaaaacc ttttttttct gagattactt 300
 ttggggtaat atttaaaatg agagacattt tgtaaccctg taaaatacat aggggaatata 360
 acattccagt gtatacaaag aaggcaaatt ctttaatcaa ataaagcgca ttataaaatc 420
 aaaaaanaaa naaaaaaaaaa aaaaaa 446

<210> 1026
 <211> 189
 <212> DNA
 <213> Homo sapien

<400> 1026
 ctgtgagaga gatgctcaat atgccccagg ctatgacaaa gtcaaggaca tctcagaggt 60
 ggtcaccctt cgtttccttt gtactggagg agtgagtccc tatgctgacc ccaatacttg 120
 cagaggtgat tctggcggcc ccttgatagt tcacaagaga agtcgtttca ttcaagttgg 180
 tgtaatcag 189

<210> 1027
 <211> 92


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<400> 1031
ccacaaagcc attgtatgta gctttagctc agcgcaaaga agagcgccag gtcacacctca      60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaccct gtaatcaacc      120
```


gctgctgact gtgattaggt gctggggctct tagcgtccag cgcagcccgg gggcatcctg 240
 gaggtctctgc tccttagggc atggtagtca ccgcgaagcc gggcaccgtc ccacagcatc 300
 tcctagaagc agccggcaca ggagggaagg tgg 333

<210> 1036
 <211> 198
 <212> DNA
 <213> Homo sapien

<400> 1036
 ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc tcttaattac 60
 tagacctcag tactgaatca ggacctcact cagaaagact aaaggaaatg taatttatgt 120
 acaaaatgta tattcggata tgtatcgatg ccttttagtt tttccaatga tttttacact 180
 atattcctgc caccaagg 198

<210> 1037
 <211> 289
 <212> DNA
 <213> Homo sapien

<400> 1037
 ctggagatga tcctcaacaa gccagggctc aagtacaagc ctgtctgcaa ccaggtggaa 60
 tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120
 ctggttgctt atagtgtctt gggatcccac cgagaagaac catgggtgga cccgaactcc 180
 ccggtgtctt tggaggacct agtcctttgt gccttgga aaagcaca gcgaacccca 240
 gccctgattg ccctgcgcta ccagctacag cgtgggggtg tggtcctgg 289

<210> 1038
 <211> 368
 <212> DNA
 <213> Homo sapien

<400> 1038
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggcgagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
 aatacaaaaa attagccaag tgtgggtggca tatgcctgta atcccacta ctcagaaggc 180
 cgaggcagga gaattacttg aacgcaggag aatcactgca gcccaggagg cagaggttgc 240
 agtgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
 gtaaataaat aaataaataa aaagcgtctg agtagctgtg gcctcaccct gaagtcagcg 360
 ggcccagg 368

<210> 1039
 <211> 417
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

<400> 1039
 ctgggcctat gctgggtcatg aacggctctg gaaaatgact cccttccttc agtatctgca 60
 tcctcatgaa gtcattcatt ttggagatcg tgtcttcact tttcttggtg aagaaactgc 120

<213> Homo sapien

<400> 1043

ccagcctgga	gataaggggtg	aaggtgggtgc	ccccggactt	ccaggtatag	ctggacctcg	60
tggtagccct	ggtgagagag	gtgaaactgg	ccctccagga	cctgctggtt	tccctgggtgc	120
tcttgacag	aatggtgaac	ctggtggtaa	gggagaaaga	ggggctccgg	gtgagaaagg	180
tgaaggaggc	cctcctggag	ttgcaggacc	ccctggaggt	tctggacctg	ctggtcctcc	240
tggtcccaa	ggtgtcaaag	gtgaacgtgg	cagtcctgg	ggacctggtg	ctgctggctt	300
ccctggtgct	cgtgggtcttc	ctggtcctcc	tggtagtaat	ggtaaccag	gacccccagg	360
tcccagcgg	tctccaggca	aggatgggccc	cccaggtcct	gcgggtaaca	ctggtgctcc	420
tggcagccct	ggagtgtctg	gacaaaaagg	tgatgctgg			459

<210> 1044

<211> 368

<212> DNA

<213> Homo sapien

<400> 1044

cctgggccc	ctgacttcag	ggtgaggcca	cagctactgc	agcgttttt	atttatttat	60
ttatttactg	agatggagtc	ttgctctgtc	accaggctg	gagtgcagtg	gtgcaatctc	120
ggctcactgc	aacctctgcc	tctgggctg	cagtgtattct	cctgcgttca	agtaattctc	180
ctgcctcggc	cttctgagta	gttgggatta	caggcatatg	ccaccacact	tggctaattt	240
tttgtatttt	tagtagaaat	ggggtttcac	catgttggcg	aggctggtct	cgaactcctg	300
acctcaagga	tctcctgcc	tcggcctcct	aaggtgctgg	gattgcaggt	gtgagccacc	360
acgtctgg						368

<210> 1045

<211> 315

<212> DNA

<213> Homo sapien

<400> 1045

ccaatgggct	ttgctgtagc	ttgctgaaat	caccaagcag	gagagattta	accagaggcg	60
atgtgtccag	tcaccagcat	agagccatcc	tctgtgtcac	catccacacg	cagggcctcc	120
tggcagacct	catgcaatgc	cctccatgtt	aatattcatc	agaaaatgga	taattagggg	180
ggccagcaaa	aatatcaagg	gtcaaatac	gcacatttct	gtttaggcca	tctatggctt	240
tcatctctc	tgaagtcaac	tggaattcaa	acacctgcac	gttctgtctg	atgcgctgct	300
cattgtagct	cttgg					315

<210> 1046

<211> 317

<212> DNA

<213> Homo sapien

<400> 1046

cctcgctg	agggccccgg	gcagcacagg	gaggacgagc	ttgtccagca	gagggctctgg	60
cagagggctc	cgcagagggt	tgggcagggg	gtctgacatc	cctggctcct	gctctggctc	120
tggtgccc	gatttgaca	ggcccagggtg	catacagatg	ccgtttgagt	caatctgggt	180
ctggaagtag	tcgatgacca	gggggaagta	gtcgtcaagc	acttggttgc	actggggcat	240
gagcagcttc	aaggggagga	cgttgccactc	ctgctccagg	aacttcctca	ccgtgtcctg	300
gaaaatggcc	tccttgg					317

<210> 1047

<211> 412

<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

```
<400> 1047
gtacaagctt tttttttttt tttttttttt tttgtttaat gcttgaactt tatttttgag      60
agagaaattt agaaagacac aaggtacaca gagtaaaatg tttttctttt ttcaggacct      120
tgaactgaat cttgcactgc tttggtttct atctaggaag ctcagcgaca gcagagtctg      180
tanaggcggc cactgatttc acacaccccg gagagggact cacgggtagc acaacggccg      240
gttcggcaat agcagggtgc tcttgccctga naacctgagg ttctaanagc ananagtcca      300
tttctgcaa aggagatagc aaggtccctgg ttgtcttccc canactgctt ctgggttgta      360
gcctcatcag ctctttcctg gagtgactca gcctgggcct gcagggccac ca              412
```

<210> 1048
<211> 476
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

```
<400> 1048
taaaaaaagg aaaaagtttt attacgaaac tagtttgtat aaaacagggg tatacatatt      60
tttgtaagtt tgtaataaaa cagtaagaaa aaaaggcagt aatagaaatc tccaaaaggc      120
aacctatcaa aaccaactgg ctgccacttt gagtttgagc agtagctgca taaactttgt      180
tcttcttgaa cagtatttaa taacatcatt aatacattaa caacatttct ataaagtaag      240
acacattggg gctgaagtac aactggnngc ctcttgatct cacctatgag gagagtctct      300
tacaaaacca catagggaaa attgcagttg taaggngaac tacncatcta aaatatgcan      360
aggtaatagc attacatggt aaaggtatca agggnatata cacattttta accatttgnn      420
acaaaacttn tataaaattt ntttctctct ctttctctct tatgcacaaa aaatat              476
```

<210> 1049
<211> 274
<212> DNA
<213> Homo sapien

```
<400> 1049
cctggctgag caggcagagc accctgggac cccagggcag aaggaccctt gccctccagt      60
ccccagacc caggcccgtc tccactcata cagccacctt acatgtgaag tcagccctga      120
aaaggtaaca ggaaagtcca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta      180
gcagagtaat accggaaacg ttatatacac aggcggtgat ggccccctcg gaagtgtccg      240
ggtcacttag ggggcactgc agaggtccct gtgg              274
```

<210> 1050
<211> 472
<212> DNA
<213> Homo sapien

<400> 1050
 ctgcagcctg ggactgaccg ggaggctctg attattttacc caccacaggt aggttgtgtt 60
 ctgaatctca ggttcacagg ttaaggctac agcatcctca tcctccacgg ggttggagtt 120
 gttgctggtg atgaaggggt tgggtggctc tgcatagact gtgatcgtcg tgactgtggt 180
 cctattgagg ccagtgtctg agttatgggc ttggcacgta taggatccac tattattcac 240
 agtgatgttg gggataaaga gctcttgggt ggattgctgg aaagtcccat tgacaaacca 300
 agagtactgt gcagggtgggt tagaggctgc gtggcaggag aggttcagat tttcccctga 360
 tctgtaagat gtgttttagag gggaaatggg gggggcatcc gggccataga ggacattcag 420
 gatgactgaa tcaactgcgcc tggcactcac tgggttctgg gtttcacatt tg 472

<210> 1051
 <211> 249
 <212> DNA
 <213> Homo sapien

<400> 1051
 ccaccaaccg tggcatcacg cgaatccggg gcaccagcta ccagagccct cacggcatcc 60
 ccatagacct gctggaccgg ctgcttatcg tctccaccac cccctacagc gagaaagaca 120
 cgaagcagat cctccgcata cggtgcgagg aagaagatgt ggagatgagt gaggacgcct 180
 acacgggtgct gacccgcata gggctggaga cgtcactgcg ctacgccatc cagctcatca 240
 cagacctgc 249

<210> 1052
 <211> 289
 <212> DNA
 <213> Homo sapien

<400> 1052
 ccaggaccac aacccacgc tgtagctggt agcgcagggc aatcagggct ggggttcgct 60
 tgtgcttttt tgccaaggca caaaggactg ggtcctocaa gagcaccggg gagttcgggt 120
 ccacccatcg tttgtctcgt tgagatccca gagcaactata ggcaaccaga acaatatctt 180
 tcgacttgca gaaatctagc aatttactcc ggttgaaata cggatgacat tctacctggt 240
 tgcagacagg cttgtacttg agtcctggct tgttgaggat catctccag 289

<210> 1053
 <211> 199
 <212> DNA
 <213> Homo sapien

<400> 1053
 ccacgactgc atgcccgcgc ccgccagggtg atacctccgc cggtgaccca ggggctctgc 60
 gacacaagga gtctgcatgt ctaagtgcta gacatgctca gctttgtgga tacgcggact 120
 ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180
 gtaagaaagg gccagccg 199

<210> 1054
 <211> 224
 <212> DNA
 <213> Homo sapien

<400> 1054
 tcgaccctgt gaagcaggag acagatgctg cattttcact gttgtttgct ctctgttttt 60
 gtagcatccc cggaacttc cccatcagcc aggggcttgt cccaccacc cttcacctgg 120
 ctttccagtt ggctgagacg ctgcttcata ttcatctggg tggcgttgta ctcagccagg 180

aggcgtgcaa acctggtctg cagggcgctcc agggaggacc ccag

224

<210> 1055

<211> 390

<212> DNA

<213> Homo sapien

<400> 1055

cctcttatta	gggctctggt	agcggcgggcg	gcggaacctt	ggggtctgga	cgcaacggcg	60
gcgggagcat	gaacgcccct	ccagccttcg	agtcgttctt	gctcttcgag	ggcgagaaga	120
agatcaccat	taacaaggac	accaaggtac	ccaatgcctg	tttattcacc	atcaacaaag	180
aagaccacac	actgggaaac	atcattaaat	cacaactcct	aaaagacccg	caagtgtctat	240
ttgctggcta	caaagtcccc	caccctttgg	agcacaagat	catcatccga	gtgcagacca	300
cgccggacta	cagcccccag	gaagcctttg	ccaacgccat	caccgacctc	atcagtgagc	360
tgtccctgct	ggaggagcgc	tttcgggtgg				390

<210> 1056

<211> 450

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(450)

<223> n = A,T,C or G

<400> 1056

ccagcatcac	ctttttggtcc	nnacactcca	gggctgccag	gagcaccagt	gttaccgcga	60
ggacctgggg	gcccatecct	gcctggagaa	ccgctgggac	ctgggggtcc	tgggttacca	120
ttactaccag	gaggaccagg	aagaccacga	gcaccaggga	agccagcagc	accaggtcca	180
ccaggactgc	cacgttcacc	tttgacacct	tggggaccag	gaggaccagn	angtccagaa	240
cctccagggg	gtcctgcaac	tccaggaggg	cctccttcac	ctttctcacc	cggagcccct	300
ctttctcctt	taccaccagg	ttcaccattc	tgtccaggag	caccagggaa	accagcaggt	360
cctggagggg	cagtttnacc	tctctcacca	nggctaccac	gaggtccagc	tatacctgga	420
agtccggggg	caccaccttc	acccttacct				450

<210> 1057

<211> 337

<212> DNA

<213> Homo sapien

<400> 1057

tgagcgggcg	cccggcaggt	cctcgcctgg	agggcccccg	gcagcacagg	gaggacgagc	60
ttgtccagca	gagggctctg	cagaggggtcc	cgagaggtt	tgggcagggg	gtctgacatc	120
cctggctcct	gctctggctc	tggctgccgg	gatttgaca	ggcccagggtg	catacagatg	180
ccgtttgagt	caatctgggt	ctggaagtag	tcgatgacca	gggggaagta	gtcgtcaagc	240
acttggttgc	actggggcat	gagcagcttc	aaggggagga	cgttgcactc	ctgctccagg	300
aacttcctca	tcgtgtcctg	gaaaatggcc	tccttgg			337

<210> 1058

<211> 237

<212> DNA

<213> Homo sapien

<400> 1058
 ctgggggactg ggaatgctag catatggtat ctcaagttgg ctctcagaac taaacgggga 60
 taagggccta gaatggaaga gggaaccagc cagaccctca gtccttctctg tcttggaactg 120
 ggagccacag atgtccctgt gatctgtcac tgccttgatc tgggtcttca gccattaaag 180
 ctcaagtgtca tcttcagtca ccaacggggg tcttggtgtc cttccaaacc ccttttgg 237

<210> 1059
 <211> 210
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(210)
 <223> n = A,T,C or G

<400> 1059
 agcccatccc cccggtccc tcttagtttg ccttgcttcc tctgtccccg ggtttcagag 60
 acaacttccc aaagcacaaa gcagtttttc cccctagggg tgggaggaag caaaagactc 120
 tgtacctact ttgtatgtgt ataataattt gagatgtttt taattattnn gattgctgga 180
 ataaagcatg tggaaatgac ccaaaaaaaaa 210

<210> 1060
 <211> 564
 <212> DNA
 <213> Homo sapien

<400> 1060
 ctggccacag agcccagcaa gtccttctctg ggagagaaga gttagggctg atactgaagg 60
 tctctttcac atctgggcac acgtctgcct tcaggctgta agaatttcat ttgtcgattg 120
 tttaaataaaa ccaggagaaa gcaatgcagg tctctgggaa tctcatccct tccataagga 180
 aaatgctctg ccaattcaag ttctattcag tcaggaagac agaaggattt aaggcttcgg 240
 tgacaattat aatcctctga gaaattattt ccccttaaag tcaagataag ataatagtgt 300
 ttactgtact ttctcttgac tcttgaaatc cctgggtattg ggtgtaggca acttgcacct 360
 gcaatgaagt ccgcaggaga ggaaggtctc tcctcccccg aaagctatcc caggtcacat 420
 gogtggcgaa tgcccactga acctcggtc tcatggaagc aggaaagaca ccgagattca 480
 agccttctag taggttgagg acgctgtgct catggcatct tcggagattt tgggtactggc 540
 aggggtggat gcttgcaaaa tact 564

<210> 1061
 <211> 267
 <212> DNA
 <213> Homo sapien

<400> 1061
 cctatggagg tgcctatgat gtcattgagct ctaagcacct ttgtgggtgat accaactatg 60
 cctggccccac cgcagagatt gcggtcatgg gagcaaaagg cgctgtggag atcatcttca 120
 aagggcataga gaatgtggaa gctgctcagg cagagtacat cgagaagttt gccaacctt 180
 tccctgcagc agtgcgaggg tttgtggatg acatcatcca accttcttcc acacgtgcc 240
 gaatctgctg tgacctggat gtcttgg 267

<210> 1062
 <211> 603
 <212> DNA

<220>
 <221> misc_feature
 <222> (1)...(163)
 <223> n = A,T,C or G

<400> 1070
 ctgctgggat gncgtgccaag tttttcagcc ataaggtagc gaaatctagc agaatccaga 60
 ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagttnna ggtaacatac 120
 gtaagaatgt ccactgngtt ggaaacnnca attatgatgc aat 163

<210> 1071
 <211> 246
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(246)
 <223> n = A,T,C or G

<400> 1071
 ctgaccggac cggncatgcc cgtccggaac gtctataaga aggagaaagc tcgagtcac 60
 actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
 cggctcttcg gcatacgggc aaaaagagcc aagggaagccg cagaacagga tgttgaaaag 180
 aaaaaataaa gccctcctgg ggacttgga tcagtcggca gacaaaaaaa aaaaaaaaaa 240
 aacaaa 246

<210> 1072
 <211> 224
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(224)
 <223> n = A,T,C or G

<400> 1072
 ctgccctgac agagcgcctc ttgatgggca tggactggaa aggatcccag gaatacaaga 60
 aggcagaaaa aaaagtttgg aagatcttta aatctgacag tgaagtggct gggttacatcc 120
 ggcaagcggg tgacttccat cangtaatta ttcgaggtgg aggacatatt ttaccctatg 180
 accagcctct gagagctttt gacatgatta atcgattcat ttat 224

<210> 1073
 <211> 301
 <212> DNA
 <213> Homo sapien

<400> 1073
 ctgtagttag ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtca 60
 ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggg agacatcagg 120
 caaagctctc catgttaata ttcattctgaa tatggataat taggggtggc agcaaaacta 180
 tcactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240
 gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300

301

```
<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G
```

```
<210> 1075
<211> 301
<212> DNA
<213> Homo sapien
```

```
<210> 1076
<211> 436
<212> DNA
<213> Homo sapien
```

```
<210> 1077
<211> 256
<212> DNA
<213> Homo sapien
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[illegible]

aggattggca ccagaccctc agtgetcact tgctccatct acaaggcagc acccctccca 240
gaggcagcca gggagg 256

<210> 1078
<211> 202
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G

<400> 1078
ctgtgctncn caaccagatc catgtnaagt gcccgcgcca gagaagggag ccaggggggag 60
ctgactncag ncaacancca gtgnccggat gancaccaac atgtgagggg tgaaccttg 120
cctccangac atntgcaccc cctncccacc tccacggacc tcggacctcc aggcgggtca 180
gtgctgcctg cggccagct aa 202

<210> 1079
<211> 170
<212> DNA
<213> Homo sapien

<400> 1079
gcgcttctcg ggcaccgtca ggcttaagtc cactccccgc cctaagttct ctgtgtgtgt 60
cctgggggac cagcagcact gtgacgaggc taaggccgtg gatatcccc acatggacat 120
cgaggcgctg aaaaaactca acaagaataa aaaactggtc aagaagctgg 170

<210> 1080
<211> 494
<212> DNA
<213> Homo sapien

<400> 1080
cctgcggcaa agagatgcgc ttattgagaa acatggctta gttataatcc cccatggcac 60
tcccaatggt gatgtcagtc atgaaccagt ggctggagcc atcactgttg tgtctcagga 120
agctgctcag gtcttgaggt cagcaggaga agggccatta gatgtaaggc tacgaaaact 180
tgctggagag aaggaagaac tactgtcaca gattagaaaa ctgaagcttc agttagagga 240
ggaacgacag aaatgctcca ggaatgatgg cacagtgggt gacctggcag gactgcagaa 300
tggctcagac ttgcagttca tcgaaatgca gagagatgcc aatagacaaa ttagcgaata 360
caaatttaag ctttcaaaaag cagaacagga tataactacc ttggagcaaa gtattagccg 420
gcttgaggga caggttctga gatataaaac tgctgctgag aatgctgagg aaagttgaag 480
atgaattgaa agca 494

<210> 1081
<211> 123
<212> DNA
<213> Homo sapien

<400> 1081
ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60
tttgttcct tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120
gac 123

<211> 515
 <212> DNA
 <213> Homo sapien

<400> 1090
 cctggggagg ccctagggga gcaccgtgat ggagaggaca gagcaggggc tccagcacct 60
 tctttctgga ctggcggtca cctccctgct cagtgccttg gctccacggg caggggtcag 120
 agcactccct aatttatgtg ctatataaat acgtcagatg tacatagaga tctatttttt 180
 ctaaaacatt cccctcccca ctctctccc acagagtgtt ggactgttcc aggccctcca 240
 gtgggctgat gctgggaccc ttaggatggg gctcccagct cttttctcct gtgaatggag 300
 gcagagacct ccaataaagt gccttctggg ctttttctaa cttttgtcct agctacctgt 360
 gtactgaaat ttgggccttt ggatcgaata tggcgaagag gttggagggg aggaaaatga 420
 aggtctacca ggctgagggt gagggcaaag gctgacgaag agggaaagtt acagatttcc 480
 tgtagcaggt gtgggcttac agacacatgg actgg 515

<210> 1091
 <211> 277
 <212> DNA
 <213> Homo sapien

<400> 1091
 ggcgtcccgga gccacagggt gtcattggctg ccagagcgct ctgcatgctg gggctggctc 60
 tggccttgct gtctccagc tctgctgagg agtacgtggg cctgtctgca aaccagtgtg 120
 ccgtgccagc caaggacagg gtggactgct gctaccccca tgtcaccccc aaggagtgc 180
 acaaccgggg ctgctgcttt gactccagga tccctggagt gccttgggtg ttcaagcccc 240
 tgcaggaagc agaatgcacc ttctgaggca cctccag 277

<210> 1092
 <211> 368
 <212> DNA
 <213> Homo sapien

<400> 1092
 cctggggcccg ctgacttcag ggtgaggcca cagctaactgc agcgcttttt atttatttat 60
 ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
 ggctcactgc aacctctgcc tcttgggctg cagtgtattct cctgcgttca agtaattctc 180
 ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
 tttgtatttt tagtagaaat ggggtttcac catgttggcg aggcctggtc cgaactcctg 300
 aactcaagga tctctctgcc tcggcctcct aagtgctggt gattgcaggt gtgagccacc 360
 acgtctgg 368

<210> 1093
 <211> 459
 <212> DNA
 <213> Homo sapien

<400> 1093
 ctgtgcatgg agccatttgg atggcgggcg gcgggggggg attctctgta tcaggagtga 60
 ctttgttgcc ccacacagcc tctgtctgca ggtgctttgg aaagagatgc tgccctggag 120
 ctggtgaatc tgtggaccac attcaagggt gtggcacagg catcttccca tctttttcac 180
 tccgaatcgc tggcgacaca ttctcctttc cagctaggaa agggttcctc gcggctgggt 240
 tagattgtgg ttgtttgttt tgcttctact aagactgttt tgtttcaaaa aggaaacaag 300
 ttttgtgttt gctgtctacg ctggagtcct gaactgtggg tagaaaacac gacctggctt 360
 tgtagaaagg acacagggct gttttatgaa ctaagcgggt aggcctcaggt ggcggctctc 420

acagagcccc tgatgctggt gttctttgag ggcttaagg

459

<210> 1094
 <211> 610
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> (1)...(610)
 <223> n = A,T,C or G

<400> 1094
 ccatgcaaaa ggaggtggtg cactcagtgcc agtcgctgcc acaaaaagtc cgattatttt 60
 cattggtaca ggggaacata tagatgactt tgaacctttc aaaacacagc cttttattag 120
 caaacttctt ggtatggcg acattgaagg actgatagat aaagtcaacg agttgaagtt 180
 ggatgacaat gaagcactta tagagaagtt gaaacatggc cagtttacgt tgcgagacat 240
 gtatgagcaa tttcaaaata tcatgaaaat gggccccttc agtcagatct tggggatgat 300
 ccctggtttt gggacagatt ttatgagcaa aggaaatgaa caggagtcaa tggcaaggct 360
 aaagaaatta atgacaataa tggatagtat gaatgatcaa gaactagaca gtacggatgg 420
 tgccaaagtt tttagtaaac aaccaggaag aatccaaaga gtagcaagag gatcgggtgt 480
 atcaacaaga gatgttcgag aacttttgac acaatatacc aagtttgac agatggtaaa 540
 aaagatggga ggtatcaaag gacttttcaa aggtgggcga catgtctaan aatgtgagcc 600
 agtcacagat 610

<210> 1095
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 1095
 ccttatttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
 attactcggg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cg 232

<210> 1096
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1096
 ccacgctcat ggaaaccacc caaggacagc cagagtccac attccctggc aagctgggtg 60
 tattcttcca aaagtttccc acccagtggg tcagacaggt gtagcgtctc tgcaggggtcc 120
 cgtgcaatga agtcaaattgc ctcaggcagg aaagccaggc aggcaccagc tctggcagcc 180
 tctcgaacca gccagcaca tgttttaaaag ttctgttgct tgtctggcgt cgatgttacc 240
 tggcacacag ccaccagggg cagttcgag gaggaagagg agatagccat ggctctgggc 300
 ctgggctgag cacaaggtac tgagagttga ggtatccgga gtccaggaca cagaagggac 360
 aggaatctgt gaggagg 377

<210> 1097
 <211> 311
 <212> DNA
 <213> Homo sapien

<400> 1097
ccacgccatg gggctggagc actcccaaga ccctggggcc ctgatggcac ccatttacac 60
ctacaccaag aacttcgctc tgtcccagga tgacatcaag ggcattcagg agctctatgg 120
ggcctctcct gacattgacc ttggcaccgg cccaccccc acactgggcc ctgtcaactcc 180
tgagatctgc aaacaggaca ttgtatttga tggcatcgct cagatccgtg gtgagatctt 240
cttcttcaag gaccggttca tttggcggac tgtgacgcca cgtgacaagc ccatggggcc 300
cctgctggtg g 311

<210> 1098
<211> 404
<212> DNA
<213> Homo sapien

<400> 1098
ccacccacgc ttaggttccc atcacactga tgactccggg tttggcgagc acaggagcgc 60
aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat 120
accagaatct tgcaacagctt ttggtgtttg gatcatagta ccattttaat atgaaatccc 180
tgcaagttcc ttogtctttc ggcaacttgc atatatctgt ttcaagtgaga gccaatgggt 240
ctgtgctcac cattagattg atggttgaaac tagaagctga ccttgctggc tgtggaggtg 300
ggggctgaga tttcttttga ctgaaacttc cgtggtaggt ggctctgacc tgagacctca 360
ggtagcagac cacagccaca tggatatgtc gccccagcgag cagg 404

<210> 1099
<211> 442
<212> DNA
<213> Homo sapien

<400> 1099
ccatgggatg gctctttctga ccattggggg ccaggccagg ccaggccagg cttagggtag 60
caaggaccag gccaaagggg cagggcctcc tttggagggg ttgaggggta catcctcggc 120
tggtgtttgc atccaggggt ccagcaggat ctcttccagt gagggtcggg aagaaggttt 180
gggggccagg caccggcgga ttagggcaca gcagtctggg gagacatggg ctgggaagtg 240
gagctcagct tccagaatct cctggctcct ctcaaaggga atgtccccac acaccatgtc 300
atagaggagg atgcccagtg accagacagt ggccgggagt gcatgggtact ggtgtcgaga 360
gatccactct ggggggctgt acacccttgt cccatcaaag tcagtgtagg gttcatcatg 420
aagcagggca ccaggaacca aa 442

<210> 1100
<211> 191
<212> DNA
<213> Homo sapien

<400> 1100
ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cggggccatac 60
ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120
acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180
gtgcgctcca g 191

<210> 1101
<211> 178
<212> DNA
<213> Homo sapien

<400> 1101
 cgggtacttt ggtggacatg aaggaactgg gcatatggga gccattggct gtgaagctgc 60
 agacttataa gacagcagtg gagacggcag ttctgtact gcgaattgat gacatcgttt 120
 caggccacaa aaagaaaggc gatgaccaga gccggcaagg cggggctcct gatgctgg 178

<210> 1102
 <211> 209
 <212> DNA
 <213> Homo sapien

<400> 1102
 agccaggcta gtgacagaaa tggattcgaa atatcagtgt gtgaagctga atgatggta 60
 cttcatgcct gtcctgggat ttggcaccta tgcgcctgca gaggttccta aaagtaaagc 120
 ttttagaggc accaaattgg caattgaagc tgggttcgcg catattgatt ctgctcattt 180
 atacaataat gaggagcagg ttggactgg 209

<210> 1103
 <211> 396
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(396)
 <223> n = A,T,C or G

<400> 1103
 ctatagggt cgagggccgc ccgggcaggt ggtgcctcta atactggtga tgctagaggt 60
 gatgtttttg gtaaacaggc ggggtaagat ttgccagatt ccttttactt tttttaacct 120
 ttccttatga gcatgcctgt gttgggttga cagtgggggt aataatgact tgttggttga 180
 ttgtagatat tgggctgtta attgtcagtt cagcgtttta atctgacgca ggcttatgca 240
 gaggagaatg ttttcatggt acttatacta acattagttc ttctataggg tgatagattg 300
 gtccaattgg gtgtgaggag ttcagttata tgtttgggat tttttaggta ntgggtgttg 360
 agcttgaacg ctttcttaat tgggtggctgc tttagg 396

<210> 1104
 <211> 342
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(342)
 <223> n = A,T,C or G

<400> 1104
 ctgctgatac ccaggcagta gctgatgctg tcacctacca gctcggtttc cacagcattg 60
 aactgaatga gcctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc 120
 gataccggga agacctgatg gcgggaatca tcatcgagg ctgggaccct caagaaggag 180
 ggcaggtgta ctacgtgcct atggggggta tgatggtaag gcantncttt gccattggag 240
 gctccgggag ctccacatc tatggctatg ttgatgctac ctaccgggaa ggcatgacca 300
 angaagagtg tctgcaattc actgccaatg ctctcgcttt gg 342

<210> 1105

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<400> 1108
ctgttcctgc ggtgacactg tataaacacg atgacctgc cttgacttta gttgctggtc      60
ttacatcaaa taagcccaca gacaaactcc gtgccctgcc tctgtgggta tctttacaat    120
acttgggact tgatgggttt gtggagagga tcaagcatgc ctgtcaactg agtcaacgggt    180
```

```
<210> 1109
<211> 409
<212> DNA
<213> Homo sapien
```

```
<210> 1110
<211> 215
<212> DNA
<213> Homo sapien
```

```
<210> 1111
<211> 308
<212> DNA
<213> Homo sapien
```

```
<210> 1112
<211> 177
<212> DNA
<213> Homo sapien
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<210> 1113

<211> 646
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(646)
 <223> n = A,T,C or G

<400> 1113
 cccaccatg gacacacttt gctacacact cctgctgctg accacccctt cctgggtctt 60
 gtcccaggtc accctgaagg agtctgggtcc tgtactgggtg aaaccacacag agaccctcac 120
 gctgacctgc accgtctctg ggttttccact cagtaatatt agagtgggtg tgagttggat 180
 ccgtcagccc ccagggaagg ccctggagtg gtttgcatac attttttcga ctgacgaaaa 240
 atccttcaat tcatctctga agaacaggct caccatctcc aaggacacct ctaaaagcca 300
 ggtggtcctt agcatgacca acatggaccc tgtggacaca gccacatatt actgtgcacg 360
 gctctctatt tacttcgggg agttagaaac ctaccaatac atggacgtct ggggcaaagg 420
 gaccaccgcc accgtctcct cagcatcccc gaccagcccc aagggtcttc cgctgagcct 480
 ctgcagcacc cagccagatg ggaacgtggg catcgctgc ctggtccang gcttcttccc 540
 ccaggagcca ctcatgtgta cctggagcga aagcggacan ggcgtgaccg ccagaaactt 600
 cccacccag ccaggatgcc tncgggggacc tgtacaccac gagcag 646

<210> 1114
 <211> 420
 <212> DNA
 <213> Homo sapien

<400> 1114
 tgttgtttta ctcacctaac cottagaaaa tgaatgttag aagggtgcctg ccgaggcggg 60
 acagagtgtt cgctcgcgct ggagaaggct ctgctcagcc ctgagagtcc ctctctgccc 120
 caccgatact ggcactttaa aaaggaagct gaccgcacag tgtccagacg aattggcccc 180
 cagaagatgg ggagttctgt cctgcccttc tgtgtctgcg tgacctcacc cagcctagga 240
 gggaggtgca ttcagggtag atttgctctc cattcaaagt tctggggctt tgggtggaaa 300
 acagccagct ttggcgctgt tggggagact cctccagacc aggaacccca gaaggagaca 360
 gagcctgcc aatcctccca cgccaggccc tgggccaggg tgattggact gagaatttgg 420

<210> 1115
 <211> 416
 <212> DNA
 <213> Homo sapien

<400> 1115
 ctgaaagttt ctaaaataga aacctgggtgc atatggcccc aaaacaccac atgctttgat 60
 tacactcagg gagcatgagt tgccatattg ggtgagaaaa tcccatgtta cagtgcgac 120
 gctgggcacg ttttgagta attccagcca ctgctatgta agtggtttta attcaggggt 180
 gtcttctacg ttttcatctt ctgaatatct tgtgacggtg caggtttgag caaaactggc 240
 atgaaatgag agctgtttta gatgaagatt gcaagatgga tggcttggcc cacagtggca 300
 gtgggttggg ggtggaatgt ggacaattag gaaaaaggca tgtcattcta tctggctcct 360
 ggagaggcag atagtctgtg gggcttttgt gtcacagttc ccaaaagcaa ggttgg 416

<210> 1116
 <211> 382
 <212> DNA
 <213> Homo sapien

<400> 1116
 ccttatttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggtcg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgcgctgtt atccctaggg taacttggtc cgttgggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctcgagggtt gggttctgct ccgaggtcgc cccaaccgaa aatttttaat gcaggcttgg 360
 tagtttagga cctgtgggtt tg 382

<210> 1117
 <211> 370
 <212> DNA
 <213> Homo sapien

<400> 1117
 ctgcgtgtct gaaaacccaa gatttaaaac atagtaatta ttgaacctca gaagaaaaac 60
 tcagattgaa agagcttaga ataagaccct ttttgagttg agaaagggtga gtacttagat 120
 ttttcatttg ctttgtttgg gattacttac atcagtattt tatgttgatc agaaagaaag 180
 gattcaatta gctattgttc ggttaataaa aatgtcagcc actgtaggag taagttggat 240
 gtccagcctt ttttagattgc ttaacttgga aacactggac tgggagcggg ggctcatgcc 300
 tgtgatccca gcaactctggg aggccaaggc aggcagatca ctggaggtca ggagtttgag 360
 accaacctgg 370

<210> 1118
 <211> 494
 <212> DNA
 <213> Homo sapien

<400> 1118
 ctgtctctta cttttaacca gtgaaattga cctgcccggtg aagaggcggg cataacacag 60
 caagacgaga agaccctatg gagctttaat ttattaatgc aaacagtacc tgacaaaccc 120
 acaggctcta aactaccaga cctgcattaa aaatttcggt tggggcgacc tcggagcaga 180
 acccaacctc cgagcagtag atgctaagac ttcaccagtc aaagcgaact actatactca 240
 attgatccaa taacttgacc aacggaacaa gttaccctag ggataacagc gcaatcctat 300
 tctagagtcc atatcaacaa tagggtttac gacctcgatg ttggatcagg acatcccgat 360
 ggtgcagccg ctattaaagg ttcgtttggt caacgattaa agtcctacgt gatctgagtt 420
 cagaccggag taatccaggt cggtttctat ctacttcaaa ttcctccctg tacgaaagga 480
 caagagaaat aagg 494

<210> 1119
 <211> 407
 <212> DNA
 <213> Homo sapien

<400> 1119
 ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
 tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
 ggagacgatg tcatcatcat cggggctctt aagggggaga gtgaccagc ctaccagcaa 180
 taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
 gaaatagcaa agttcttgaa agtctcccag gggcagtcgg ttgtaatgca gcctgagaaa 300
 ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccagggac 360
 tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407


```
<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G
```

[illegible]

```
<210> 1121
<211> 278
<212> DNA
<213> Homo sapien
```

<400>	1121							
cggccgaggt	ccgccatggc	gtgtgctcgc	ccactgatat	cgggtgactc	cgaaaagggg			60
gagtcatctg	gcaaaaatgt	cactttgcct	gctgtattca	aggctcctat	tcgaccagat			120
attgtgaact	ttgtttacac	caacttgccg	aaaaacaaca	gacagcccta	tgtgtgcagt			180
gaattagcag	gtcacgcagc	tagtgctgag	tcttggggta	ctggcagagc	tgtggctcga			240
attcccaqag	ttcagagtgq	tgggactcac	cgctctgg					278

```
<210> 1122
<211> 591
<212> DNA
<213> Homo sapien
```

[illegible]

<210>	1123
<211>	454
<212>	DNA

<213> Homo sapien

<400> 1123

ccaattgaaa	caaacagttc	tgagaccggt	cttcactac	tgattaagag	tggggtggca	60
ggtattagg	ataatattca	tttagccttc	tgagctttct	gggcagactt	ggtgaccttg	120
ccagctccag	cagccttctt	gtccactgct	ttgatgacac	ccaccgcaac	tgtctgtctc	180
atatcacgaa	cagcaaagcg	acccaaaggt	ggatagtctg	agaagctctc	aacacacatg	240
ggcttgccag	gaaccatata	aacaatggca	gcataccag	acttcaagaa	tttagggcca	300
tcttccagct	ttttaccaga	acggcgatca	atcttttcct	tcagctcagc	aaacttgcac	360
gcaatgtgag	ccgtgtggca	atccaatata	ggggcatagc	cggcgcttat	ttggcctgga	420
tggttcagga	taatcacctg	agcagtgaag	ccag			454

<210> 1124

<211> 219

<212> DNA

<213> Homo sapien

<400> 1124

cctgctccag	agcacggctg	accattttctg	ctccgggatc	tcagctcccg	ttccccaagc	60
acactcctag	ctgctccagt	ctcagcctgg	gcagcttccc	cctgcctttt	gcacgtttgc	120
atccccagca	tttctgagt	tataaggcca	caggagtggg	tagctgtttt	cacctaaggg	180
aaaagcccac	ccgaatcttg	tagaaatatt	caaactaat			219

<210> 1125

<211> 246

<212> DNA

<213> Homo sapien

<400> 1125

ccagagctgg	gcccagctg	cgctggaatc	gcagcaggag	aggggagtgg	gctggttctt	60
cccaccactt	cccaggctct	gacagccgag	actcatttcc	aaggcacagc	agctttctaa	120
agggactgag	tttgactgg	gttttgacc	tccaggggct	ggagcttcat	cacctgggca	180
gtgtcttttc	tcagagagca	ggtttcttta	tagtttgga	ataaatgggt	cacggttcaa	240
aagaaa						246

<210> 1126

<211> 227

<212> DNA

<213> Homo sapien

<400> 1126

ccattgttcc	cgtgcatoga	agcttgcagg	cagcttcagg	tcctcggtaa	acataactct	60
ctgggggtgg	ttgggcccac	ccaggaaggt	accacatagc	ctcttcaagt	agctcatgtc	120
cacgttgtag	aagttgtggc	cggcctgcca	cgtgggtattc	cgtttgttga	catagttgac	180
cagctcatcc	gacaggggat	ggaaagaggg	cctgctccgg	gcattgg		227

<210> 1127

<211> 377

<212> DNA

<213> Homo sapien

<400> 1127

cctgccgtcg	atgccaggga	ggccgacagg	accttctttt	ccagcggggc	cgatatttcc	60
agggaacca	ggaagacctc	tgggtcccat	gagaccaggc	tcccagggc	gaccagcatc	120

402

```
<210> 1132
<211> 304
<212> DNA
<213> Homo sapien
```

```
<400> 1132
ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga      60
gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc      120
agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc      180
gctaactagc agggaccctt gcaagtgttg gtcgggggcc tcgagctgcc tgagctgaca      240
cgagggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac      300
ttgg                                           304
```

```
<210> 1133
<211> 224
<212> DNA
<213> Homo sapien
```

[illegible]

```
<210> 1134
<211> 250
<212> DNA
<213> Homo sapien
```

[illegible]

```
<210> 1135
<211> 315
<212> DNA
<213> Homo sapien
```

<400>	1135								
ccaatgggct	ttgctgtagc	ttgctgaaat	caccaagcag	gagagattta	accagaggcg				60
atgtgtccag	tcaccagcat	agagccatcc	tctgtgtcac	catccacacg	cagggccttc				120
tggtagacct	catgcaatgc	cctccatgtt	aatatctatc	agaaaatgga	taattagggg				180
ggccagcaaa	aatatcaagg	gtcaaataac	gcacatttct	gtttaggcca	tctatggcct				240
tcatctctc	tgaagtcaac	tggaattcaa	acacctgcac	gttccgtctg	atgcgctgct				300
cattgtagct	cttgg								315

<210>	1136
<211>	377
<212>	DNA

tttgctttga	tatcatcaac	tgacagagaat	gctgttgatg	ggaatgctgg	aagcagaaac	300
tttgtcatcg	gaaaaacttt	tcttgtatgc	atgagactca	acatcaggat	ccacagctta	360
aagatgggaa	ttcaggtatg	aaagaaaaca	ggcaaggagg	cactgaggga	gaaagacaca	420
gactttatcg	ctctgtggct	cattgttact	ggaatattct	aaaactcttg	ttcacatgct	480
attatgactt	ataaagcagc	aacag				505

<210> 1140
 <211> 256
 <212> DNA
 <213> Homo sapien

<400> 1140						
ctgtagcttc	tgtgggactt	ccactgctcg	ggcgtcaggc	tcaggtagct	gctggccgcg	60
tacttggtgt	tgctctgttt	ggagggtttg	gtggtctcca	ctcccgctt	gacggggctg	120
ccatctgcct	tccaggccac	gttcacagct	cccgggtaga	agtcactgat	cagacacact	180
agtgtggcct	tggtggcttg	gagctcctca	gaggagggcg	ggaacagagt	gacagtgggg	240
ttggccttgg	gctgac					256

<210> 1141
 <211> 371
 <212> DNA
 <213> Homo sapien

<400> 1141						
ccagggcccc	attctgtctg	tgggactgtg	ggttctcagt	ggaattgttg	cctttcttgt	60
cgtggagaaa	tttgtgagac	atgtgaaagg	aggacatggt	cacagtcatg	gacatggaca	120
cgctcacagt	catgcacgtg	gaagtcatgg	acatggaaga	caagagcgtt	ctaccaagga	180
gaagcagagc	tcagaggaag	aagaaaagga	aacaagaggg	gttcagaaga	ggcgaggagg	240
gagcacagta	cccaaagatg	ggccagtgag	acctcagaac	gctgaagaag	aaaaaagagg	300
cttagacctg	cgtgtgtcgg	ggtacctgaa	tctggctgct	gacttggcac	acaacttcac	360
tgatgggtctg	g					371

<210> 1142
 <211> 312
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(312)
 <223> n = A,T,C or G

<400> 1142						
cctcccacac	tgtcaaatgt	caactccacc	agcactgaga	caatgagtag	atgagaatgt	60
agaaagaggg	aaggtggtag	gtaaaaggagc	ggaaggaaga	ggtggggaaa	gaggaaggt	120
ggtaggtaaa	ggagcggaag	gaagaggtgg	ggaaagaggg	aaggagagaa	gggaaggagg	180
gaagagaaa	aaggaagaaa	aggaaagcat	ggcccggtca	gagacaaagc	cagaggtgat	240
caggtcagca	gcaggagagg	ctcagaaggg	agcctctcgg	gaagtgcagg	cngccatgag	300
ggctcgtttc	ag					312

<210> 1143
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 1143
ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgagggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
atacaaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccaactac tcagaaggcc 180
gaggcaggag aattacttga acgcaggaga atcactgcag cccaggaggc agaggttgca 240
gtgagccgag attgcaccac tgcactccag cctgggtgac tgagcaagac tccatctcag 300
taaataaata aataaataaa aagcgctgca gtagctgtgg cctcaccctg aagtcagcgg 360
gcccagg 367

<210> 1144
<211> 159
<212> DNA
<213> Homo sapien

<400> 1144
cctggaggag cggccgcaca cacagccagg cgctaggctc cctgcgggac ctcggaagg 60
gggaagagcg tcaacgattt acggagggtc cagccgctgg gtcagattga gacaaacat 120
tgtgtggttg ggttcgggtc agcaggctgg agagggttc 159

<210> 1145
<211> 450
<212> DNA
<213> Homo sapien

<400> 1145
ccatgggtgt ctggagcacc ctgaaactgt atcaaagtgt tacatatttc caaacatttt 60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tgggtgaca 120
aggcatTTAA agatgtttct ggcatTTTct ttttatttgt aagggtgttg taactatggt 180
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240
acaaccgaga caaaccttg atgctccttg ctggcggttg aggctgtggg gaagatgcct 300
tttgggagag gctgtagctc agggcgtgca ctgtgaggct ggacctgttg actctgcagg 360
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg 420
ccatcttagc tgtggacaaa ggggggtcag 450

<210> 1146
<211> 324
<212> DNA
<213> Homo sapien

<400> 1146
ccatacaggg ctgttgccca ggccctagag gtcattcctc gtaccctgat ccagaactgt 60
ggggccagca ccatccgtct acttacctcc cttcgggcca agcacacca ggagaactgt 120
gagacctggg gtgtaaatgg tgagacgggt actttggttg acatgaagga actgggcata 180
tgaggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
caaggcgggg ctctctgatgc tgga 324

<210> 1147
<211> 191
<212> DNA
<213> Homo sapien

<400> 1147

```
<400> 1151
ctgcgtgagt accaggagct gatgaacgtc aagctggccc tggacatcga gatcgccacc      60
tacaggaagc tgctggaggg cgaggagagc cggtctggagt ctgggatgca gaacatgagt    120
attcatacga agaccaccag cggctatgca ggtggtctga gctcggccta tggggggcctc    180
```


acaagccccg	gcctcagcta	cagcctgggc	tccagctttg	gctctggcgc	gggctccagc	240
tccttcagcc	gcaccagctc	ctccagggcc	gtggttgatga	agaagatcga	gacacgtgat	300
gggaagctgg	tgtctgagtc	ctctgaocgc	ctgcccgaat	gaacag		346

<210> 1152
 <211> 427
 <212> DNA
 <213> Homo sapien

<400> 1152						
ctggactgct	gtacatcaag	gacagattaa	ctggaaaaca	tatgttcctt	atgcgtgac	60
gagagccatt	cagaaaagac	ttcctttgtg	ttcagcctat	acttttccat	atggtatacc	120
ttgaaaaaaa	ttagcacacc	atggttattt	ttctaccttt	tataaaaagac	agagcctggt	180
tactcattta	gaagatagag	aaaattgggc	taaaattgaa	catcctagat	tcacactccc	240
aagtcactta	aggtgatttg	atggtgagga	aaatgattga	cagagcccaa	caatgatctc	300
aggaattaca	ttttccaaca	gacccaaaaa	tgttttcatg	tagcagcaat	gcagatttgg	360
tgaatatatta	atatatatatt	tagtatgtat	ttcactttat	gactgacaat	taaaaaatat	420
tgtttgg						427

<210> 1153
 <211> 331
 <212> DNA
 <213> Homo sapien

<400> 1153						
ctggccggcg	gtgcagatct	ggagtccagc	ctcagggatg	cgctactttc	cattctctgc	60
attgaacatt	cgttctgtca	gcatccgctc	cagcttcact	gcatcagcgg	caaacttgcg	120
gatcccgctc	gagagcttct	ccacagccat	ctggctctcg	ttgtgcaacc	aacggaaaga	180
cttctcatcc	aggtggattt	tttccaggtc	actggcttgg	gctgggggac	aagaaccagc	240
cttccatgcc	tgctccatgt	ccctgcccac	cttggcccct	tgggctcagg	gcctgaaccg	300
ctgcacccaa	gcatctccca	ccagggccag	g			331

<210> 1154
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 1154						
ctgaactttc	agatgaagtt	gactttctact	tgattgcagg	attcagggtt	tctcagatgt	60
taatacacag	tcaaaagcgg	tggataaaac	cttgcaaattg	gcttggtgctt	gttccaggct	120
gttgcaactga	ttaaaccaca	ggctgtattc	ctcattgctt	gcatctgtgg	tcttcagagc	180
cagtaagctt	tttcccgccc	ccagaccgtc	atcgtaacac	accatccgga	ttattaagta	240
gagagcatgc	ctgtgcacaaa	catcatattg	atctgatgtt	gatactttta	tgccatactt	300
ggaaaactccc	ataataaatt	cttccctccg	aggaacaaaa	ggcaactttc	catcttgctg	360
ggcaacgtct	atataattta	tcagggtctaa	tggcccttca	agg		403

<210> 1155
 <211> 491
 <212> DNA
 <213> Homo sapien

<400> 1155						
cctccctctc	agagcttgcc	ccaggggactc	tctggccctc	agggttcaat	gtattctgac	60
caaggccaag	ctttctctgg	gctcagggaa	aatcacactt	tgctacccga	agctgtatcc	120

```

cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
gatgcagcct ctgtgaacag gtgcctggag gctgggaaat gaccctgaga gggcaggaca 300
cagcaaccgt gggcttaagg tgaccttgag agcaagcttg gccacttta caattctgtt 360
cagagccagc ccctaacatg gtggtcattt attcatttgt tccctcattt taaaaaatgt 420
aaggccaggc atggtggctc acgccgggta atcccagcac tttgggaggc cgaggcaggc 480
agatcacctg a 491

```

```

<210> 1156
<211> 586
<212> DNA
<213> Homo sapien

```

```

<400> 1156
agcaaataga agcaatcagg gcactgcaag ttgtgactac tccaagatgt gaatcatgga 60
tcatgcaaat tacaatcatg ttttaacctg acctccaaag ggagaataaa gtaaaaatta 120
tcccatgtga ggattattca ccagtttata tgtcattagt taccagtttt tctttatgaa 180
taatgtttag caatattata aagtatatct aatagttatc aggttttttg cttgttactt 240
tttggtagta acttataaaa ctgactggaa aagaccaata aggcactgtt tgcattgtac 300
aaattatc caaagaccaa aagctgttaa taagaaatct tccaataaaa ccacatcata 360
ttttctttt tatttacacc cacatcagga ttacaacttt atcaggactg caccttgatc 420
aggaagggat gtttctctta caaggctaata aagaaaggaa caataaattt gctgatgaaa 480
aaagtcatgc atttaaaaat tttaacttta atttttaatt gagggcaata ttttaaagaa 540
atgctcatta gtcattcctt taaattgtgt gtgtgagaga gagaaa 586

```

```

<210> 1157
<211> 392
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(392)
<223> n = A,T,C or G

```

```

<400> 1157
cctccggctg gtgtttctgag ggttgccagg ccatcggtgga cacaggcacc tctctgctca 60
ctgtgccccg gcagtacatg agtgctcttc tgcaggccac aggggccag gaggatgagt 120
atggacagtt tctcgtgaac tgtaacagca ttcagaatct gccagcttg accttcatca 180
tcaatggtgt ggagttccct ctgccacctt cctcctatat cctcagtaac aacggctact 240
gcaccgtggg agtcgagccc acctacctgt cctcccagaa cggccagccc ctgtggatcc 300
tcggggatgt ctctctcagg tctactatt ccgtctacga cttgggcaac aacagagtag 360
gctttgccac tgnccgctag acttgctgnc tc 392

```

```

<210> 1158
<211> 375
<212> DNA
<213> Homo sapien

```

```

<400> 1158
gggaaaaata attttattcc tcaaagatc agcacattca gaagcaggac agaggagctc 60
tgatgacatc tctgggggac tcaaagcggc cctcattttc tgggtatttc ccagggtgatt 120
ctcttccaac ctgtgagtcc tgctctcttt cctcccatct gaagtttgag acatcctctg 180
ccacaaggaa agccaccaat accagcccaa agagccacca gagaggaacc aaaccacatg 240

```

```
catcaagtta taggaaggat gcaagaaggg aaattaggaa ggaaagggag gagtttagtt 300
ggcattctgg ggcattgctaa catgagggcg atgggtctctc tccaagtcgc tggacatatc 360
cctttttcttt ccagg 375
```

```
<210> 1159
<211> 361
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(361)
<223> n = A,T,C or G
```

<400>	1159						
gtttattgta	aaaaacaaaa	aactctgtat	tgtgcacatg	aagacctgga	gatgtgccga		60
cttcctgtcc	ccaaagccaa	tcttccccgc	caaggcgact	gaggatttca	agggctcaga		120
gttactgcag	gaatccaggt	gacaccagga	agagaagggg	gaggagggga	atcggagggg		180
atgggtttaa	aaggcagagg	ggagggagat	ggaagggaat	gaggaggagg	gagactgagg		240
gggctgcctt	tccttgggga	ctgggggaact	catgccttgc	ccccacccgc	agggctccag		300
gggtgagaga	aaggggtgga	gaataaagaa	ttgggcanca	gggtgatggg	gggaacagca		360
g							361

```
<210> 1160
<211> 142
<212> DNA
<213> Homo sapien
```

```
<400> 1160
cgcaatgttg ccagtgtctg tctgcagggt ggctacccaa ctgttgcatc agtaccocat      60
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagaogga ttacaccttc      120
ccacttgctg aaaaggtcaa gg                                     142
```

```
<210> 1161
<211> 193
<212> DNA
<213> Homo sapien
```

```
<400> 1161
ccaaagccta cgaccacctc ttcaagttgc tgctgatcgg ggactcgggg gtgggcaaga      60
cttgtctgat cattcgcttt gcagaggaca acttcaacaa cacttacatc tccaccatcg      120
gaattgattt caagatccgc actgtggata tagaggggaa gaagatcaa ctacaagtct      180
gggacgggc  tgg                                     193
```

```
<210> 1162
<211> 265
<212> DNA
<213> Homo sapien
```

[illegible]

ccagacggcc atagtcactg gtcag

265

<210> 1163
<211> 337
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(337)
<223> n = A,T,C or G

<400> 1163
ctgcagagtg ggganaggct tttgccacta gaaacttcca ggatgcacga gatcaaggaa 60
ttaagtctgt aacaaaataa caggatgctc tgtgaagtcc aaagaattgc ttgaggcaaa 120
ctgcagagct ccatgagatc agcaacccca agagctttta caccgccgga cacggtttaa 180
taggaaaaaa atctcctata ctgnntattc anaaccaa at gaanagaaat gtcaaaggag 240
tcggaacaaa tatgtcaaat tangtaaatt cctgacctga cccanatttt gcngaacatt 300
tgatcctaaa ctgtgctgtc cagtcctta ggatcac 337

<210> 1164
<211> 368
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G

<400> 1164
ccagacgtgg tggctcacac ctgcaatccc agcacottag gaggccgagg caggaggatc 60
cttgaggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
aatacaaaaa attagccaag tgtggtggca tatgctgtga atcccaacta ctcagaaggc 180
cgaggcagga gaattacttg aacgcaggag aatcactgca ncccangagg canaggttgc 240
antgagccga gattgcacca ctgcaactcca gcctgggtga cagagcaaga ctccatctca 300
gtaaataaat aaataaataa aaagcgtgctc agtagctgtg gcctcaccct gaagtcagcg 360
ggcccagg 368

<210> 1165
<211> 267
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(267)
<223> n = A,T,C or G

<400> 1165
ctgggaagga ggctcctcgg ccttctcctg tttgtcatcc tctcatcag actcgacctc 60
catctcaact tctcactct ccccaaactt ttcatagcgc tctgaatga ggattcgggc 120
ccccagctcc tctggcgtgg tggggggagg gaagttccct tgctcattgg gttggaagnc 180
cactgtttcc accaccacaa aatcatgcca ntcnatctga gcataggcca cccgntcctt 240

267

<213> Homo sapien

<223> n = A, T, C or G

ctgtctgtac	acttttttctt	gggggaagag	ttcttgtctt	cagtttactg	cagtaggggt	60
cctggctctg	ttacatgctc	atgtgttccg	gaagaacaca	tgaaatatca	tcccacggat	120
gacgatacag	cccctgcttc	ancctcttct	gatcaagata	gtgtccaatg	aaccccatatc	180
tccttcccag	cacaaagatg	ccattgaggg	ctccaatgtc	aatatatcca	tcagcttctt	240
ccctgcaaca	cacatcaact	tgtagtttta	aaaggctcac	gtgactgcc	tcctccccac	300
agacagtact	actactgcc	aanaatgaga	agaaaagggg	tgctctgggt	ggtngcatta	360
caggcaattt	ttgttntctt	nnttatacct	ctccttattt	tncaaatntt	ctattatgag	420
tntgcaattac	ttt					433

<213> Homo sapien

cctctggtct	tttcttcagc	cacttctcca	gctcctgcag	gttctgggtct	gagtagtcag	60
tgacgacgat	ctccttaaag	gattcacaaag	cagagaggag	ctgatagata	gtggggccag	120
agccgatgtc	aatcagcagg	tctcccttca	caccgtctag	gcagaatatc	ttgaaaagat	180
ttttcagaag	gtgcttaaga	atctggcttt	ctgcagagtg	cctagaacca	aacttgtaat	240
atttttctag	gtaatcccga	gggttaaaat	ggcttagata	ggtgtccttg	gaggtgaagc	300
ctgattccat	tatgtctcac	ttccgtacca	ctggagcact	gccctccttc	tctttcctcc	360
ag						362

<213> Homo sapien

$\langle 223 \rangle$ n = A, T, C or G

gcagtcacatgg	ggcccaggac	catgccactg	gccttgctcc	cccagccgca	gectcacctg	60
caggtgctcc	tcgatgtcct	tgcggtcgta	ggtgatgcca	ctgggcgtga	tgcacggctc	120
ccgcatcagc	tcaaagctga	tcttgccaca	caggtagtcg	gggatgtctc	gcttctgtgg	180
caacagggggc	cacggtcaga	ggctgaaaag	gggcaactgca	cgagcacctg	ccagccatcg	240
gcagcaagcg	acacacactc	accttctctct	tctcatccac	ctgagaaaaa	agctcgtcca	300
tgtccgccat	gtacttgctc	tgtgaagagt	tgagtgctgt	gttgggggga	gacaccccac	360
ctccctcctn	catggggcac	anacccaaca	caaggcgggg	atgctnccac	gccacgtaca	420

459

<400>	1169						
ccaggccacc	tgtgcggggc	tctctgatgt	ggaaggttcg	ggtgaggaga	ttgtagaagg		60
agccgtagca	cacggccacc	acagtgcacg	tgaggcagat	cacgctgtag	ggcatgctga		120
agtccggtgt	cggcagggttc	accagcagcg	gctccgtgta	gagccgcaca	aagtagttag		180
agccatcaga	gactgggaac	aggtctgttg	agaggggact	ctcttcccag	tcactggct		240
tggtctctac	catgctgggc	acaagggcgc	tgaggacaga	tgggctgaca	tagaagccat		300
ggttaggata	tggcgtgtac	tcggtccact	tcagcagcgc	ccgctcaaac	tggatggaaa		360
ccttggtgac	tgagttggcc	ggccag					386

<400> 1170							
ctattttctct	gtagtggttt	aaccaacccat	ctgtttctaaa	agaagggctg	aactgatgga		60
aggaatgctg	ttagcctgag	actcaggaag	acaacttctg	cagggtcact	ccctgggttc		120
tggaggaaag	agaaggaggg	cagtgtctca	gtggtacaga	agtgagacat	aatggaatca		180
ggcttcacct	ccaaggacac	ctatctaagc	cattttaacc	ctcgggatta	cctagaaaaa		240
tattacaagt	ttggttctag	gcactctgca	gaaagccaga	ttcttaagca	ccttctgaaa		300
aatcttttca	agatatcttg	cctagacggg	gtgaagggag	acctgtgat	tgacatcggc		360
tctggcccca	ctatctatca	gctcctctct	gcttgtaaat	cctttaagga	gatctctgtc		420
actgactact	caggaccaga	acctgcagga	gctggagaag	tggctgaaga	aagagccaga		480

<400>	1171						
cctcagcagc	cctgccacgg	atctgcccga	ttcttttcgca	tcaagaagtt	gatcttgcga		60
gccatttcca	tggtgtagat	ccgcgggcac	ctttcatagc	tttccctctg	tcgccggcgg		120
catggcttct	cataataccg	ccgatgctta	atgtcctcaa	tgagcccatc	catagtgagg		180
attctgttta	gggtcctgta	tgcgctttcc	acgttccttt	cctgtaccat	cacagtcctg		240
gcgatgaact	tcagatgitt	tgccatgacc	ttggatttaa	accttcactc	tgtagagcct		300
cgcgcgctca	gtacctta						317

```
<220>
<221> misc_feature
<222> (1)...(202)
<223> n = A,T,C or G
```

```
<210> 1173
<211> 173
<212> DNA
<213> Homo sapien
```

```
<210> 1174
<211> 301
<212> DNA
<213> Homo sapien
```

```
<210> 1175
<211> 537
<212> DNA
<213> Homo sapien
```

```
<210> 1176
<211> 384
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(384)
<223> n = A,T,C or G
```

<400> 1176
 ctgacaaaaa atgtgaaatt tccacaaaaat atccaactta tgtgactaaa cgcagtagtt 60
 tttttaaaag gggagataga aaataaatgg ttttggttga gtgcatttta gtaagccttt 120
 gcagtaaaat gacggttgta actactaaac caaatttagt tttcacagca tggttttggt 180
 gttttccct tgtttttcag aggtaaattt tgcattatat ccttcagtat tttaacacta 240
 ttttggcagt ttacacatta ctttttgntt ttcttcctt tttgngaaat gtattaagtt 300
 gtggttctta ttgaaacagt attatataat gttngcttaa ttatatcatg tgatgctcan 360
 ntctattntg atttattcat tagt 384

<210> 1177

<211> 562

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(562)

<223> n = A,T,C or G

<400> 1177
 ccaacaacat gcaggaagct cagagtatcg atgaaatcta caaatacgac aagaaacagc 60
 agcaagaaat cctggcgggc aagccctggg ctaaggatca ccattacttt aagtactgca 120
 aaatctcagc attggctctg ctgaagatgg tgatgcatgc cagatcgga ggcaacttgg 180
 aagtgatggg tctgatgcta ggaaaggtgg atggtgaaac catgatcatt atggacagtt 240
 ttgctttgcc tgtggagggc actgaaacc gagtaaatgc tcaggctgct gcatatgaat 300
 acatggctgc atacatagaa aatgcaaaac aggttggcgc ccttgaaaat gcaatcgggt 360
 ggtatcatag ccaccctggc tatggctgct ggctttctgg gattgatgtt agtactcaga 420
 tgctcaatca gcagttccag gaaccatttg tagcagtggg gattgatcca acaagaacaa 480
 tatccgcagg gnaaagtga tcttggcgcc tttaggacat acccaaaggg ctacaaacct 540
 nctgatgaan gaccttctga gt 562

<210> 1178

<211> 353

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(353)

<223> n = A,T,C or G

<400> 1178
 cgcgtctgga tggccgaatc attcgcacag actgggacgc aggccttaag gagggcaggc 60
 aatacggccg tgggcgatct gggggccagg ttccgggatga gtatcggcag gactacnatg 120
 ctgggagagg aggcctatgga aaactggcac agaaccagtg agtggtgaga gctctgtcag 180
 tgacaaacac tcctttggcc tgttgaattt gctgaagaac atcacctaaa gtctgcacac 240
 gagccatttt ttaccaagat ttgatcagtg tctttactga gctggaagcc tctgaaagtt 300
 attaaaggac agaatccaaa agaatgcctt taattcttgt ctgagaatct tgg 353

<210> 1179

<211> 288

<212> DNA

<213> Homo sapien

<400> 1179
 ccaatgggat cctcaagggtg cctgccatca atgtcaatga ctccgtcacc aagagcaagt 60
 ttgacaacct ctatggctgc cgggagtccc tcatagatgg catcaagcgg gccacagatg 120
 tgatgattgc cggcaaggta gcggtggtag caggctatgg tgatgtgggc aagggctgtg 180
 cccagggcct gcgggggttc ggagcccgcg tcatcatcac cgaggttgac cccatcaacg 240
 cactgcaggc tgccatggag ggctatgagg tgaccacat ggatgagg 288

<210> 1180
 <211> 523
 <212> DNA
 <213> Homo sapien

<400> 1180
 ctggagagat ggagcgggtg gcaccgtcat ccttcctcat cagccacata gaaggacagt 60
 ggcgatttca gccagcttt tctgactgct tgtaaattga agcccagaac tggtttgcca 120
 cctgtgggat cgactcagca ttttaaaata ggaggcagtc gtgagtgcag gtttcttgca 180
 gctccgggtg gccctgggct ccagggtcagg agacctcagc tcctgtccct gatctgtggt 240
 tgtcaagcct tgcagactct aaactcagca tctttatctg tcagacgtag acacgtggct 300
 cccgtggttg gtgcgggttg aatagctgag gtaatacacg gacctccaag cactagagca 360
 gtatgaggag ttctgaggaa tggttatcct gcggtgcctg tggccacag caagccattc 420
 ttatcccatc cggtttactt cccacagcca ctttgtaagc ataggcatta tcctctaccc 480
 catcatagaa atgaggaaaa gaatcaccaa gagagtaagc agc 523

<210> 1181
 <211> 493
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(493)
 <223> n = A,T,C or G

<400> 1181
 cacagatgaa ggctttgtga tacctgatga agggggccca caggaggagc aagaagagta 60
 ttaacagcct ggaccagcag agtaacatcg gaattcttca ctccaaatca tgtgcttaac 120
 tgtaaaatac tcccttttgt tatccttaga ggaactcactg gtttcttttc ataagcaaaa 180
 agtacctctt cttaaagtgc actttgcgga cgtttcactc cttttccaat aagtttgagt 240
 taggagcttt taccttgtag cagagcagta ttaacaccta gttggttcac ctggaaaaca 300
 gagaggctga ccgtggggct caccatgcgg atgcgggtca cactgaatgc tggagagatg 360
 ttatgtaata tgctgaggtg gcgacctcag tggagaaatg taaagactga attgaatttt 420
 aagctaattg gaaatcanag aatgttgtaa taagtaaagc ccttaagagt atttaaaaana 480
 tgcttccaca ttt 493

<210> 1182
 <211> 329
 <212> DNA
 <213> Homo sapien

<400> 1182
 cgcgtctctg aactgtgat catgatagg gttcaaacag aaagtgcctg ggccctcctt 60
 ctaagtcttg ttaccaaaaa aaggaaaaag aaaagatctt ctcaagtaca aattctggga 120
 agggagacta tacctggctc ttgcctaag tgagaggtct tcctcccgc accaaaaaat 180

agaaaggctt tctatttcac tggcccaggt agggggaagg agagtaactt tgagtctgtg 240
 ggcctcattt cccaggtgcc ttcaatgctc atcaaaacca ggcattgggga aggccctggc 300
 aaactgctcc acccgttgcc tgaggttgg 329

<210> 1183
 <211> 198
 <212> DNA
 <213> Homo sapien

<400> 1183
 cctgacagac agaagggtt ggagatTTTT tttctttaca attcagtctt cagcaacttg 60
 agagctttct tcatgttgtc aagcaacaga gctgtatctg caggttcgta agcatagaga 120
 cgatttgaat atcttccagt gatatcggtc ctaactgtca gagatgggtc aacaaacata 180
 atcctgggga catactgg 198

<210> 1184
 <211> 224
 <212> DNA
 <213> Homo sapien

<400> 1184
 ctggagggtgc ctcagaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
 ccagggatcc tggagtcaaa gcagcagccc cggttgttgcc actccttggg ggtgacatgg 120
 ggttagccgc agtccaccct gtccttggtc ggcacggcac actggtttgc agacaggccc 180
 acgtactcct cagcagagct ggaggacagc aaggccagga ccag 224

<210> 1185
 <211> 367
 <212> DNA
 <213> Homo sapien

<400> 1185
 ccttttacag atgtcagctt tcaactggcct ccatgcacaa cctcccacta ccaccaatc 60
 tgctgccac agcaaagtgc aggcaccctg ggccccctgg aggatgcggg caggggctac 120
 agggcatcca ggatgtggtc gatcttggtg accagctcct ggcgctttcc tgagatgagc 180
 ttctcattct caatgtacgt gtctttcttg agcttgccag ccaccaggcg ctcagcctcc 240
 accgccgact tcagcaccag ctccttgacc tgtgcatcca gcttctgcat ttgctcact 300
 ctgtcgaca gatcagagcc ctctgtcttc agcctggact gcagcagtgc aatctcactg 360
 gtcaagg 367

<210> 1186
 <211> 188
 <212> DNA
 <213> Homo sapien

<400> 1186
 ccattaagcg gatgctggag atgggagcta tcaagaacct cacgtccttc cgacctgggc 60
 aagagctgta gcctgtcggg tgcctactct gctgtctggg tgaccccat gcgtggctgt 120
 ggggtggct ggtgccagta tgaccactt ggactcacc cctcttggg agggagtcct 180
 gggcctgg 188

<210> 1187
 <211> 379
 <212> DNA

<213> Homo sapien

<400> 1187
 gttgatgcta ctctgaagtc tctcaacaac cagattgaga ccctttcttac tcttgaaggc 60
 tctagaaaga gccagctcg cacatgcogt gacttgagac tcagccaccc agagtggagc 120
 agtggttact actggattga ccctaaccac ggatgcacta tggatgctat caaagtatac 180
 tgtgatttct ctactggcga aacctgtatc cgggccaac ctgaaaacat cccagccaag 240
 aactggtata ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct 300
 ggcagccagt ttgaatataa tgtagaagga gtgacttcca aggaaatggc tacccaactt 360
 gccttcatgc gcctgctgg 379

<210> 1188

<211> 384

<212> DNA

<213> Homo sapien

<400> 1188
 cgcgtcggac tgcagccagt ccgtttcctt tctttagcca gccatcctgg tactgtagtt 60
 taggggttga tgggtggtga aattgatttc tggctgggta ctaagggtgcc tgctagccat 120
 tgtataaaat taaaacatga agaataatttt ttttttgagc atggctagtg gatttaaaac 180
 aacacatacc tgtcactgct ggagtcaaac ttataaaaag ccttaagtgg aaagtgttcc 240
 agacggagac tctgagttaa tagaggagta gaagctggtg ttaaagtgtcc cagcagcac 300
 atggctttgc cagaaaactct gtttaatgat cggcctttca cctcttcaact tatccttagt 360
 cccagtagcc aggatacctg atgg 384

<210> 1189

<211> 419

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(419)

<223> n = A,T,C or G

<400> 1189
 ggaaaaacca gccactgctt tacaggacag ggggttgaag ctgagccccg cctcacaccc 60
 acccccatgc actcaaagat tggattttac agctacttgc aattcaaaat tcagaagaat 120
 aaaaaatggg aacatacaga actctaaaag atagacatca gaaattgttg agttaagctt 180
 tttcaaaaaa tcagcaattc cccagcgtag tcaagggtgg acactgcacg ctctggcatg 240
 atgggatggc gaccgggcaa gctttcttcc tcgagatgct ctgctgcttg agagctattg 300
 ctttgtttaag atataaaaag gggtttcttt ttgtctttct gtaaggtnna cttccagctt 360
 ttgattgaaa gtccatagggt gattctatct ctgctgtgat ttatctgctg aaagctcag 419

<210> 1190

<211> 173

<212> DNA

<213> Homo sapien

<400> 1190
 ccagggtactg gcacatcatg ctctggatgg ggggtggtgg gtcctgtagg cagagaaaca 60
 ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgcaccgta tagttgatct 120
 tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

<210> 1191
 <211> 341
 <212> DNA
 <213> Homo sapien

<400> 1191
 cctcctgcca gcagttcttg aagcttcttt ttcatctctg ctactctacc tgtattttctc 60
 agttgcagca ctgagtgggc aaaatacatt tctggggccac ctcaggggaac ccatgcatct 120
 gcctggcatt taggcagcag agcccttgac cgtccccccac agggctctgc ctcacgtcct 180
 catctcattt ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
 ttgaccatat tcagttttat ttattttatt ttaatttggt cttttctcca agtccaccag 300
 tctctgaaat tagaacagta ggcggtatga gataatcagg a 341

<210> 1192
 <211> 324
 <212> DNA
 <213> Homo sapien

<400> 1192
 ttggaggttg gcggcgcggg gctgaaggct agcaaaccga gcgatcatgt cgcacaaaca 60
 aatttactat tcggacaaat acgacgacga ggagtttgag tatcgacatg tcatgctgcc 120
 caaggacata gccaaagtgg tccctaaaac ccatctgatg tctgaatctg aatggaggaa 180
 tcttgcggtt cagcagagtc agggatgggt ccatttatatg atccatgaac cagaacctca 240
 catcttgctg ttccggcgcc cactacccaa gaaaccaaag aaatgaagct ggcaagctac 300
 ttttcagcct caagctttac acag 324

<210> 1193
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 1193
 ctgctttggt ttctgttggc agtggagggga caaggtgaga ggagccaggg gtagtcatga 60
 acaccagtgg gttctgacct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120
 gctccagcag tctcaactgg gaagacccag gactcctgct cttttctcta atccctggga 180
 gacgaggtcc agctaaggta gagtaagcag tcagtgaacca ggcaggctgg tttgggaggt 240
 cactgcctgg aggacgggat cttgtattct tcggaagatg gctgggaaat tcttccctcc 300
 attacgtaga actttcttcc cctcctcagt tgaggtgcct agatgtccca caacggggtc 360
 ttcactcagg tcttccagag gcacacgctc aaacagtggg tgctcttcga aatgagtga 420
 catccagtcg tgtagctcca gcacatcggg tatggtatac accagccct gcataggcaa 480
 aatcacccta gacaggaggc tgcatgcaac gtcagcagcc a 521

<210> 1194
 <211> 208
 <212> DNA
 <213> Homo sapien

<400> 1194
 ccagtgacta gaaggcgagg cgccgcggga ccatggcggc ggcggcggac gagcggagtc 60
 cagaggacgg agaagacgag ggagaggagg agcagttggg tctggtggaa ttatcaggaa 120
 ttattgattc agacttctc tcaaaatgtg aaaataaatg caaggttttg ggcattgaca 180
 ctgagaggcc cattctgcaa gtggacag 208

<210> 1195

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<400> 1198
ccatgggtgt ctggagcacc ctgaaactgt atcaaagttg tacatatattc caaacatttt      60
taaaatgaaa aggcaactct gtgtttctct cactctgtgc actttgctgt tgggtgtgaca      120
aggcatttaa agatgtttct ggcattttct ttttatttgt aagggtggtgg taactatggt      180

```

tattggctag	aaatcctgag	ttttcaactg	tatatatcta	tagtttgtaa	aaagaacaaa	240
acaaccgaga	caaacccttg	atgctccttg	ctcggcgttg	aggctgtggg	gaagatgcct	300
tttgggagag	gctgtagctc	agggcggtgca	ctgtgaggct	ggacctgttg	actccgcagg	360
gggcatccat	ttagcttcag	gttgtcttgt	ttctgtatat	agtgacatag	cattctgctg	420
ccatcttagc	tgtggacaaa	gggggggtcag				450

<210> 1199

<211> 294

<212> DNA

<213> Homo sapien

<400> 1199

agtcacagtt	gcacctattc	aaaactagct	ttaaagttag	ctatttttaa	acttcataaa	60
aatattcatg	attttattag	tttgaatatt	tctacaagat	tcgggtgggc	ttttccttta	120
ggtgaaaaca	gctatccact	cctgtggcct	tataactcag	gaaatgctgg	ggatgcaaac	180
gtgcaaaagg	caggggggaag	ctgcccaggc	tgagactgga	gcagctagga	gtgtgcttgg	240
ggaacgggag	ctgagatccc	ggagcagaaa	tggtcagccg	tgctctggag	cagg	294

<210> 1200

<211> 258

<212> DNA

<213> Homo sapien

<400> 1200

agctaccta	gaacagctaa	aagagcacac	ccgtctatgt	agcaaaatag	tggaagatt	60
tataggtaga	ggcgacaaac	ctaccgagcc	tggtgatagc	tggtgtcca	agatagaatc	120
ttagttcaac	tttaaatttg	cccacagaac	cctctaaatc	cccttgtaaa	tttaactgtt	180
agtccaaaga	ggaacagctc	tttggacact	aggaaaaaac	cttgtagaga	gagtaaaaaa	240
tttaacaccc	atagtagg					258

<210> 1201

<211> 403

<212> DNA

<213> Homo sapien

<400> 1201

ctgagctgct	gtctgctttg	gaaaaccggt	cctgccgctg	ccgatggatg	gaaatgcaat	60
ggatttcagc	ttcttatcat	cagccagggc	caagcagttt	ttcactgtct	tttccagaag	120
ttcttcacac	ttgtctgcac	cccaaactgg	actattacag	tgatcacaa	acttggcagg	180
caggccatgg	cctgcgctga	cagcagctcc	agctacttcc	aagggcccgt	tctttttccg	240
gagttccagg	acagcttcca	caaactcctt	gccacctttc	ttctccagcg	tgtttcctag	300
gtcatcttta	aggtcaatgt	cagcattggt	aggattgatt	atggcctcca	cctcaaagcc	360
ggctaaatta	ctgatttcac	tgtgaataag	gttcggcttc	tgg		403

<210> 1202

<211> 325

<212> DNA

<213> Homo sapien

<400> 1202

ctgaacctgc	gggagtcggc	caccatcacg	tgcttggtga	cgggcttctc	tcccgcggac	60
gtcttcgtgc	agtggatgca	gagggggcag	cccttgctcc	cggagaagta	tgtgaccagc	120
gccccaatgc	ctgagcccca	ggccccaggc	cggctacttcg	cccacagcat	cctgaccgtg	180
tccgaagagg	aatggaacac	gggggagacc	tacacctgcg	tggtggccct	tgaggccctg	240

cccaacaggg tcaccgagag gaccgtggac aagtccaccg gtaaaccac cctgtacaac 300
gtgtccctgg tcatgtccga cacag 325

<210> 1203
<211> 518
<212> DNA
<213> Homo sapien

<400> 1203
ctcaaccaca gtctgacacc agagcccact tccatcctct ctggtgtgag gcacagcgag 60
ggcagcatct ggaggagctc tgcagcctcc acacctacca cgacctcca gggctgggct 120
caggaaaaac cagccactgc ttacaggac aggggggttg agctgagccc cgcctcacac 180
ccacccccat gactcaaaag attggatttt acagctactt gcaattcaaa attcagaaga 240
ataaaaaaatg ggaacataca gaactctaaa agatagacat cagaaattgt taagttaagc 300
tttttcaaaa aaccagcaat tccccagcgt agtcaagggt ggacactgca cgctctggca 360
tgatgggatg gcgaccgggc aagctttctt cctcgagatg ctctgctgct tgagagctat 420
tgctttgtta agatataaaa aggggtttct ttttgtcttt ctgtaagggtg gacttccagc 480
ttttgattga aagtcctagg gtgattctat ttctgctg 518

<210> 1204
<211> 352
<212> DNA
<213> Homo sapien

<400> 1204
ggggaaagga ggtctcactg agcaccgtcc cagcatccgg acaccacagc ggcccttcgc 60
tccacgcaga aaaccacact tctcaaacct tcaactcaaca ctctcttccc caaagccaga 120
agatgcacaa ggaggaacat gaggtggctg tgctgggggc acccccagc accatccttc 180
caagggtccac cgtgatcaac atccacagcg agacctcgt gcccgaccat gtcgtctggt 240
ccctgttcaa caccctcttc ttgaactggg gctgtctggg cttcatagca ttgcctact 300
ccgtgaagtc tagggacagg aagatggttg gcgacgtgac cggggcccag ga 352

<210> 1205
<211> 250
<212> DNA
<213> Homo sapien

<400> 1205
ctgttcaact tccaactcta aataggcacc attaaacaaa aaaccccagt attttaaatt 60
tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg 120
ggaatacagc cttagaatgg aagctatat gcttccctgc ccctttctc ttacaattgg 180
agagtgtagg tattaaggga tacaaagtca gaggaagaat aattaaaaag aaaaatgcc 240
aaagctgcag 250

<210> 1206
<211> 275
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(275)
<223> n = A,T,C or G

<400> 1206
 ctgctctcgn ngctcactg gatggaccag cacttccgca cgacgcccct ggagaagaac 60
 gcccccgctct tgctggccct gctgggtatc tggtagatca actgcttttg gtgtgagaca 120
 cacgccatgc tgccctatga ccagtagctg caccgctttg ctgctgactt ccagcagggc 180
 gacatggagt ccaatgggaa atacatcacc aaatctggaa cccgtgtgga ccaccnnaca 240
 ggccccattg tgtgggggga gccagggacc aatgg 275

<210> 1207
 <211> 182
 <212> DNA
 <213> Homo sapien

<400> 1207
 ccattctctg ctggaagtcc agggcgacgt agcacagctt ctctttgatg tcgcgcacga 60
 ttcccgctc ggccgtgggtg gtgaagctgt agcctcgctc agtgaggatc ttcatgaggt 120
 agtcggtcag gtcccgcca gccaggtcca gacgcaggat ggctggggg agggcgtagc 180
 cc 182

<210> 1208
 <211> 260
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 1208
 gctgggttatg aactcctgac ctcaagtgat ctgccctcct cagcctccca aagtgtctggg 60
 attataggca tgagccactg gaattttttt tttttttttt ctttctttt tttttttttt 120
 tttaaattgan acaaggtctg gctctatcgc ccangctgga gtgcagnggc accatntcgg 180
 ctactgcaa cctctgctg ctgggctcga gccatcctcc cacctcagcc toccaagtan 240
 ttgggactag aggtatgcac 260

<210> 1209
 <211> 487
 <212> DNA
 <213> Homo sapien

<400> 1209
 aaaccactc caccttacta ccagacaacc ttagccaaac catttaccca aataaagtat 60
 aggcgataga aattgaaacc tggcgcaata gatatagtag cgcaaggga agatgaaaaa 120
 ctataaccaa gcataatata gcaaggacta atccctatac cttctgcata atgaattaac 180
 tagaaataac tttgcaagga gagccaaagc taagaccccc gaaaccagac gagctaccta 240
 agaacagcta aaagagcaca cccgtctatg tagcaaaata gtgggaagat ttataggtag 300
 aggcgacaaa cctaccgagc ctggtgatag ctggttgtcc aagatagaat cttagtcca 360
 ctttaaattt gccacagaa ccctctaaat ccccttgtaa atttaactgt tagtccaaag 420
 aggaacagct ctttgacac taggaaaaa ccttgtagag agagtaaaaa atttaacacc 480
 catagta 487

<210> 1210
 <211> 216
 <212> DNA

<400>	1213						
ccagccattg	cctgncattt	ggtagtatag	tatgattctc	accattattt	gtcatggagg		60
cagacgata	ccagaaatcg	gggagaaaca	gtacatatct	ttctgtcttt	agtttattgt		120
gtgctggtct	aagcaagctg	agatcatttg	caatggaaaa	cacgtaactt	gtttaaaagt		180
ttttctgqta	qctttaqctt	tatgctaaaa	aaaataatga	cattgggtat	ctatttcttt		240

```
<210> 1214
<211> 428
<212> DNA
<213> Homo sapien
```

```
<210> 1215
<211> 414
<212> DNA
<213> Homo sapien
```

```
<210> 1216
<211> 162
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(162)
<223> n = A,T,C or G
```

```
<210> 1217
<211> 392
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc feature
```

<222> (1)...(392)

<223> n = A,T,C or G

<400> 1217

ctgaagtaga	ggctggaact	gaagctgaga	ctgaggctga	ggctgaaact	ggagctaagg	60
gtgaggctgg	aactggagct	gaggttgagg	ccagaactgg	agctaaagtt	gaggctggaa	120
ccggagctga	ggttgaggct	ggaactggag	ttaaggttgc	tggaagtggg	gctgagggtg	180
aggctggaac	tgaagctgag	gttgaagggtg	gaagtggagc	cgaagctaga	ggtggaactg	240
aggctgaaga	ctgtgcttgc	tggatccctg	tagcctgttt	tttggcaaatt	cttgaggagg	300
gcttanaagt	ctggcttctt	cctttttcat	ttgcattctt	tttgttccag	accttaaaaa	360
attaacgggg	accatttttg	tcaataatgc	ag			392

<210> 1218

<211> 526

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 1218

ctgagctttc	agcagataaa	tcacagcaga	aatagaatca	ccctaggact	ttcaatcaaa	60
agctggaagt	ccaccttaca	gaaagacaaa	aagaaacccc	tttttatatc	ttaacaaagc	120
aatagctctc	aagcagcaga	gcctctcgag	gaagaaagct	tgcccggctg	ccatcccatc	180
atgccagagc	gtgcagtgtc	cacccttgac	tacgctgggg	aattgctgat	tttttgaaaa	240
agcttaactt	aacaatttct	gatgtctatc	ctttagagtt	ctgtatgttc	ccatttttta	300
ttctttctgaa	ttttgaattg	caagtagctg	taaaatccaa	tctttgagtg	catgggggtg	360
ggtgtgtaggc	ggggctcanc	ttcaaccccc	tgtcctgtaa	agcagtggct	ggtttttcct	420
gagcccagcc	ctgggaggtc	gtggtangtg	tggaggctgc	agagctcctn	cagatgctgc	480
cctcgtctgtg	cctcacacca	nagaggatgg	aagtgggctc	tggtgt		526

<210> 1219

<211> 382

<212> DNA

<213> Homo sapien

<400> 1219

ctggccggcg	gtgcagatct	ggagtccagc	ctcagggatg	cgctactttc	cattctctgc	60
attgaacatt	cgttctgtca	gcatccgctc	cagcttccact	gcctcagcgg	caaacttgcg	120
gatcccgta	gagagcttct	ccacagccat	ctggtcctcg	ttgtgcaacc	aacggaaaga	180
cttctcatcc	agggtggattt	tttccagggtc	actggcttgg	gccgccttgg	ctgagagcac	240
aggcaccagc	ttggcggttg	cctgcagcag	ctctcccagg	agcttgggtg	agatgggtgag	300
gaagtcacag	ccggccagtg	ctttgatctc	gcccgtgttg	cggaaggagg	cgcccatgac	360
aatggttttg	tagctaaact	tc				382

<210> 1220

<211> 127

<212> DNA

<213> Homo sapien

<400> 1220

tcgacctcct	tgaagcagac	caagtatagc	aagcctctaa	aaggactact	gagaaacaga	60
------------	------------	------------	------------	------------	------------	----

atcagaaaact ctagaactct agttagggcc cttcagcagg gctgcagagc ctccctggat 120
 acccagg 127

<210> 1221
 <211> 304
 <212> DNA
 <213> Homo sapien

<400> 1221
 ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
 gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc 120
 agggagcttg gcttctgtag aagttctaag gaagcggtag gaaactccacg gcggtggggc 180
 gctaactagc agggacccct gcaagtgttg gtcggggggc tcgggctgcc tgagctgaca 240
 cgaggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac 300
 ttgg 304

<210> 1222
 <211> 309
 <212> DNA
 <213> Homo sapien

<400> 1222
 ctgtcgcaact cgtagctgca actcactcaa cttgtcttta gcagcaattt ctgcatagtc 60
 attggcatgt tcacctacct ggatgtccgg gtgaactctc agcatgcctc cagcaaagag 120
 ggagaacttg gtggaattgg agtgaagaca gatctggtgc tcaccagggg tatgggaagt 180
 gaaagtgaac ctgccctcgg agccatactg ccggggccagg atgaccttgt cctctgggtc 240
 ctccacctcc acaaacatgc caagccccgg ggtggccggc tggtaactcct cccgctgctt 300
 gtcatacag 309

<210> 1223
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 1223
 cctggccttg gagccctgtg cctactagaa gcacattaga ttatccattc actgacagaa 60
 caggtctttt ttgggtcctt cttctccacc acgatatact tgcagtcctc cttcttgaag 120
 attcttttggc agttgtcttt gtcataacct acaggtgtag aaacaagggt gcaacatgaa 180
 atctctgttt cgtagcaagt gcatgtctca cagttgtcag tctgccactc cgagtttatt 240
 ggtgtttggt tcctttgaga tccatgcatt tccgtggtga atctcctgga actccctcat 300
 taggtatgaa atagcatgat gcattgcata aagtcacgaa ggtggcaaag atcacaacgc 360
 tgcccaggag aacattcatt gtgataagca 390

<210> 1224
 <211> 407
 <212> DNA
 <213> Homo sapien

<400> 1224
 ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
 tccgggcttc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
 ggagacgatg tcatcatcat cgggggtctt aagggggaga gtgaccagc ctaccagcaa 180
 taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
 gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300

ttccagtgcca agtatgagcc ccggagccac atgatggacg tccagggctc caccagggac 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

<210> 1225
<211> 250
<212> DNA
<213> Homo sapien

<400> 1225
ctgcagcttt gggcattttt ctttttaatt attcttcctc tgactttgta tcccttaata 60
cctacactct ccaattgtaa gagaaagggg gcaggaagc aatatagctt ccattctaag 120
gctgtattcc cgttatgaat tactagctga ttacagttca gagcattgat cctggaatgt 180
gtgctggaga aatttaaaat actggggttt tttgtttaat ggtgcctgtt tagagttgga 240
agttgaacag 250

<210> 1226
<211> 444
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(444)
<223> n = A,T,C or G

<400> 1226
ccttttaggt gttgctctgg gcaggggggtg ggggtgcggg ggcttacagt gggggccctt 60
agttggcaca ggttcggaag ggccccaggc agacatgaat tctcctgaga cttgaggtag 120
gttgcttcag ccagcccggg cggagaagaa gggcagagag cgaacatagg agtccagtcg 180
ggagcgaaag agctcacttt gcacagtttg gccagcggg cacaggggat tcttcaccac 240
cagctccaca tacagcgcac tgtagatgtg gtgcagcaca tctcggatgg gtcccacgcc 300
caagtcagta ttcatgacaa ctttgatccc agtgggcgtc tcgtagtaat ggagtttgta 360
acggctagtt tggaaggcca ggaagccatc cttcatgtct agcggggaca tcttgctgac 420
aaacgancgg atagagaaga gcat 444

<210> 1227
<211> 491
<212> DNA
<213> Homo sapien

<400> 1227
gttagcctta catgttgtgt agacttactt taagtttgca cccttgaaat gtgtcatatc 60
aatttctgga ttcataatag caagattagc aaaggataaa tgccgaaggt cacttcattc 120
tggaacacagt tggatcaata ctgattaagt agaaaatcca agctttgctt gagaactttt 180
gtaacgtgga gagtaaaaag tatcggtttt attctttgct gatgtccttt ctgcttgaaa 240
taacagtcac catacagcta aaggagagga gtttctttcc ttctaagtag gcagaaatgg 300
tatcattatg ttgccgctct ccaatctccc agagctcgct ctctagagaa tcaccttctt 360
tcgctttttt tttttttttg aggtagagtc tcactatgtt gcccagacta gccttgaact 420
cctgggctca agtgattctc cctcctcagc ctcccagta gctggaacga actatagttg 480
caccactgca g 491

<210> 1228
<211> 279
<212> DNA

<213> Homo sapien

<400> 1228
 ctgggcgat ctgatcaact aggcaacatc atgtccggat atgagttcat caacaagttg 60
 actggagaag atgtatttgg aatcacccgtt cctctaatta caagtacaac tggagcaaag 120
 ctgggaaagt ctgctggcaa tgctgtttgg ctaaacagag ataagacatc tccatttgaa 180
 ttgtatcaat tctttgtcag gcaaccggac gattcagtgg aaaggtagct gaagctgttc 240
 actttcctac cccttcaga gattgatcat atcatgcag 279

<210> 1229

<211> 199

<212> DNA

<213> Homo sapien

<400> 1229
 cggccgaggt ccagtcacaac ctgctcctca ttattgtata aatgagcaga atcaatatgg 60
 cggaagccag cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct 120
 gcaggcgcat aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca 180
 cactgatatt tcgaatcca 199

<210> 1230

<211> 237

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(237)

<223> n = A,T,C or G

<400> 1230
 ctgcattgnt gnggaattca caactactca ggctgggaaa atacagattg gttcaaagaa 60
 accaaaaacc agagtgtccc tcttagctgc tgcagagaga ctgccagcaa ttgtaatggc 120
 agcctggccc acccttcga cctctatgct gaggggtgtg aggctctagt agtgaagaag 180
 ctacaagaaa tcatgatgca tgtgatctgg gccgcactgg catttgcagc tattcag 237

<210> 1231

<211> 277

<212> DNA

<213> Homo sapien

<400> 1231
 ctggagggtgc ctcagaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
 ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
 gggtagccgc agtccacct gtccttggct ggcaaggcac actggtttgc agacaggccc 180
 acgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240
 gctctggcag coatgaccac cgtgggctcc gggacgc 277

<210> 1232

<211> 348

<212> DNA

<213> Homo sapien

<400> 1232

```

ctgcaacttt ttttttttgc aattacagag tggatttcag ttaacagaac aacaattatt    60
tcgtataagc tgcacacagag acaactgaag atgaaaaaac taccatcccc atatataact    120
aattttgtgt gtgcaccaac aagaacctgc tttaaatttc catgccatt tacaaccccc    180
atactgtacc aggcaagggt agtggtctatt gaaaatacca ccaggacagg gctatctaaa    240
gacacattcg gtagtgtgtt aactatacaa aaaaagacac tgtacagttt aaaaacaaat    300
cttacacagc cttacatttc aatttttttc tttaaaagga gtgagttg    348

```

```

<210> 1233
<211> 312
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

```

```

<400> 1233
ctgagcgtac ggccgcgttc atcccagccg cgggtgcccc cacgttgatg acagctacgt    60
tgcaattggt ctttgggatc tgatcatccg gcagcttgat ggcaagtcgc ttgtaggtgt    120
tcaggttgcc cgcaaagctc ctccctcgga gtcgaaccgn atnttgaaat ctcctctcgt    180
ccatcgccctt ctgcacatcc tgagtcattc gcacgcactc catcagcggc aggcgcacgg    240
ngtgggtccc gttcagtgc acgacgcaag ctgggggtgtc cgggggtggc tctagcaagg    300
cnaatgactgc ct    312

```

```

<210> 1234
<211> 151
<212> DNA
<213> Homo sapien

```

```

<400> 1234
ccggcgcgg gcataaaagg cgccagggtga gggcctcgcc gctcctcccg cgaatcgag    60
cttctgagac cagggttgct ccgtccgtgc tccgcctcgc catgacttcc tacagctatc    120
gccagtcgtc ggccacgtcg tccttcggag g    151

```

```

<210> 1235
<211> 250
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

```

```

<400> 1235
ctgcaccttn gggcntnttt ctttttaatt attcttctc tgactttgta tcccttaata    60
cctacactct ccaattgtaa gagaaagggg gcagggaagc aatatanctt ccattctaag    120
gctgtattcc cgttatgaat tactagctga ttacagttca nagcattgat cctggaatgt    180
gtgctggana aattttaaatt actgggggtt tttgtttaat ggtgcctgtt tagagttgga    240
agttgaacag    250

```

```

<210> 1236
<211> 154

```

<210> 1240

<211> 358
 <212> DNA
 <213> Homo sapien

<400> 1240
 cctttatgga tgaaagtacc cagtgttcc agaaggtgtc agtacagctc ggaaagagaa 60
 gcatgcaaca attagatccc tcaccagctc gaaaactgtt gaagcttcag ctacagaacc 120
 cacctgccat acatggatct ggatctggat cttgtcagtg actttatgag agtttctgcc 180
 acaaggtgcc caagaggaga ggaatgggaa gagtgtccca gcacgtgggtg actgcgtgat 240
 ttctgctcra tgcctttmts atamstgacc aactgasgg cgaattmcag cacactggcg 300
 gccgttacta gtggatccga gctcgttacc aagcttggcg taatcatggt catagctg 358

<210> 1241
 <211> 194
 <212> DNA
 <213> Homo sapien

<400> 1241
 ccaaaggttc gtaatgccat ctctgcacca atctctctcc ccatagcaat aagggcaatc 60
 ccagaacag ccaactccctg atgtgtctccc atgtcagcag gggcttcctt cttgtccttg 120
 tctttctttt ccttcttctg tttgtcttcc tccttctctt tggagtcaaa gtgttcgcta 180
 caaatgtgga gcag 194

<210> 1242
 <211> 316
 <212> DNA
 <213> Homo sapien

<400> 1242
 ccttgttctc actgccctct aagggaactt ggctactcgg cacttttaag cctcagtttc 60
 tccagttcaa taataaggac aagagctttt cccatgcatt ctctttcccc gggaaagttg 120
 actgaggtga ccagtaatag aattgaaaag ggagagtgtc ttcagtgcaa tgtggcatcc 180
 tggattgggt cttggaacaa aaacaggaca ttagtgggaa aattggaaat ctgaaaaaag 240
 tctgaatttt agttaatata ccaatttcag tctcttgggt ttgacagatg taccatggtg 300
 atgtaagatg ttgacc 316

<210> 1243
 <211> 275
 <212> DNA
 <213> Homo sapien

<400> 1243
 aaaaggtgga tgaaagtatt atgtataata ttataatggt aaatatgtga tatgaatttg 60
 ttgaaatcaa cagaatatac agcataaagg gttaattcca attcacaaaa atataaataa 120
 ataggagatt aggaattcca ggatagaatg cagacaatat agaaaatatc taatgtcatt 180
 acaaattgat gaaatcagaa gaggtgccaa gtgacctcag aaatagtgtg gtcaataaaa 240
 gaataaagaa agtgcacgtc agaactgtac cccag 275

<210> 1244
 <211> 235
 <212> DNA
 <213> Homo sapien

<400> 1244

```
<210> 1245
<211> 640
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(640)  
<223> n = A,T,C or G
```

```
<210> 1246
<211> 509
<212> DNA
<213> Homo sapien
```

```
<210> 1247
<211> 310
<212> DNA
<213> Homo sapien
```

<400>	1247						
catatgtgga	actatttcttg	gaaagtctac	aaagtgaaat	ctatcgagtt	atttctcatt		60
tgcaaagtga	tcctttgagt	cattttctcat	aatctataat	ctgaatgtta	atactgatac		120
ttttaaaagc	cctacatccc	aacagaccag	gccactaga	tatttcagcg	tggtgtctca		180
ggaatgagtaa	acaaacagct	aaaaatatat	gacttatgta	aactaagatt	acaggagtta		240

ctagcttttc tgaaagggat atattctaag tattttttct taaaaaaaaa aaaarggggg 300
ggggggggtt 310

<210> 1248
<211> 640
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(640)
<223> n = A,T,C or G

<400> 1248
aaagatataa aactatggag aaaactgcta aagggtatcc ctgaccttta tgatgatgca 60
gctattttcg aggccaaaaa atcatttttac tgggcaagaa aaacatctca ttcctttgtc 120
gtgaatatcc ttgctcaggc tctttatgaa ttattttctg ccacagatga ttccttgcac 180
caactaagaa aagcctgttt tctttatttc aaacttgggtg gcgaatgtgt tgcgggtcct 240
gttgggctgc tttctgtatt gtctcctaac cctctagttt taattggaca cttctttgct 300
gttgcaatct atgccgtgta tttttgcttt aagtcagaac cttggattac aaaacctcga 360
gcccttctca gtagtggtgc tgtattgtac aaagcgtgtt ctgtaaatatt tcctctaatt 420
tactcagaaa tgaagtatat ggttcattaa gcttaaaggg gaaccatttg tgaatgaata 480
tttggaactt accaagtcct aagagacttt tggaagagga tatatatagc atagtaccat 540
accacttata aagtggaaac tcttggaacca agatttggat taatttgttt ttgaagtttt 600
tgnatataa atatgtaaat acatgcttta attgcaattt 640

<210> 1249
<211> 1108
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(1108)
<223> n = A,T,C or G

<400> 1249
caaaataaat ttcaattcaa tgaaaagtaa ataacttagg gatctataaa tgacactgca 60
atgtatcttg ttccattttt aacaggaagt ccttcatgca aatgtgtgag tctcccagga 120
tgcatgaagc tccagccttt tcgtggtgac tcaatagagc aattgtacct taaaaatktg 180
caaccacctc cctgaaagtc ttctcccacg ttattaagtg caatgyttat ggtaaatgta 240
gaagcatcat gatgaggacg aagagaacgc tgtcgttcag gggagtattt tactacaaaa 300
ttcagtagtg caaatccctt cgtataatag cctgcaaaga ccttcagtgt aactgggtgca 360
atgaactccc ggataaaatg aagccataca ttctccagat caacttgctt catgtggata 420
tcatcagttg ggacattttc ataaccacca gatatacggc tatcatgatg tttttcccca 480
gaccatttgc cgtaatgttc catttcttct accaattcat cacaggnctt tttcagaaaa 540
tatggggaac cmaaaagaca tctggacagg gctgttcaam ctatattttc agtgaaaatc 600
tttgaataat ccmcggttta tatacttttc cttccagtc acaggatttt caaaaatctg 660
ccagaggtca ttgttataat gggaagtatt gtaattagca gtggataata gcocttccaaa 720
ttcatgtcta ttagaaatgt acataaatac accctttggg gggctgagca tttggaatgt 780
ttccggagta ggggagtcct tttccctttg taaagtcatt tctctagcat ttccggcaaag 840
agccatatca ggatccagtt tatcacgaac aaaatatgct ctttcattca totctgatcg 900
gagtgtcttt cctttaatta agtacacatt agccatatat gggacattcc atactcctac 960
tctattccct tgaacaatat ccacataatc ttcagatcgt gcatagtatc catcaggact 1020

```
<210> 1250
<211> 567
<212> DNA
<213> Homo sapien
```

```
<210> 1251
<211> 655
<212> DNA
<213> Homo sapien
```

<400>	1251						
gaaagaaaac	aattttaatgc	caccaaacat	aagcctgcta	tacctgggaa	acaaaaaatc		60
tcacacctaa	attctagcag	agtaaacgat	tccaactaga	atgtactgta	tatccatatg		120
gcacatttat	gactttgtaa	tatgtaattc	ataatacagg	nttaagggtg	gtggnatgga		180
gctaggaaaa	ccnaaggagn	aggaatttat	nnaaaagaac	cttgaggtnaa	gtataaagtc		240
atatgcctga	tttcctcaaa	ccttttggtt	ttcctcatgg	cttctggcct	tatattttta		300
tcacaaacca	agatctaaca	gggntctttc	tagaggatta	ttagataagt	aacacttgat		360
cattaagcac	ggatcatgcc	actcattcat	gggtgntcta	tgttccatga	actctaatag		420
cccaacttat	acatggcact	ccaaggggat	gcttcagcca	gaaagtaaa	ggctgaaaaa		480
gtagaacaa	acaaaagccc	tcgtgtgggg	ggaactgngg	gctcactctt	acttggcctt		540
cattcnaaac	aggttgggnc	tttontgoga	ngatctctca	gggnggtaaa	aactttntgg		600
ntttcaacan	aanaggtttg	gntgaatgat	tactcggcng	acacctaagg	gatcc		655

```
<210> 1252
<211> 672
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(672)
<223> n = A,T,C or G
```

```

aaantgcaaa aaccocagaag accaataaatt ctgaaacttg gcatgagtgt gccagtcag      60
cagcttgcaa agagaggatg tgtcagttac tacaattgct gtactccttt agctgagtc      120
ttcaactttc tccttcttgc cagtaaatac tacgttgtaa ttcataatgac tgagatctta      180
gtatcacagg attttttagct cccatgcctc cttcaaaatt gtttacatgg atttgtttct      240
attctctgta ggccatatct caaacacatt caattctaaa tccaacacaa gtgaaggacc      300
agccaggatg aaacacttca gcaatcattt tgttaaaaat aacatcctgg tcatcaagct      360
aagcataagc acctcttgta taacaattca tcttaaaaagc ttaaagtaca ataataaaaa      420
taactgcctg aaaactggaa atgaaataca acagaaaaac tgaagcatta gtaatttttg      480
caagtaaccc aggtacagta catttgattt catagagggt gttttctgat gtttaaggag      540
agggtagaag gggtaggaaa acttggaag gaagatggaa acagcacaac cagttatttt      600
gcttttaata aagtaaattg aatgacagga gtagggagggt gacaaacaca tcnatatata      660
tttttcttat gg                                         672

```

<210> 1253

<211> 644

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(644)

<223> n = A,T,C or G

<400> 1253

```

ccaaatattt gttagaaact tctggttaact tagatggctt ggaatacaag ttacatgatt      60
ttggctacag aggagtctct tcccaagaga ctgctggcat aggagcatct gctcacttg      120
ttaacttcaa aggaacagat acagtagcag gacttgctct aattaaaaaa tattatggaa      180
cgaagatcc tgttccaggc tattctgttc cagcagcaga acacagtacc ataacagctt      240
gggggaaaga coactgaaaa gatgcttttg aacatattgt aacacagttt tcatcagtg      300
ctgtatctgt ggctcagcgt agctatgaca ttataatgc gtgtgagaaa tatggggtga      360
agatctaaga catttaatat tatcgagaag tacacagaca ccactaataa tcagacctga      420
ttctggaaac cctcttgaca ctgtgttaaa ggttttgagg atttttaggt agaagtttcc      480
tgttactgag aactcaaagg gttacaagtt gctgccacc ttatcttaga gttattcaag      540
gggatggagt agatattaat accttacaaa gagattgnag anggcattgaa acaaaaaatg      600
yggactattg aaaatattgc cttcgttctg gcgagggttt gctc                                         644

```

<210> 1254

<211> 438

<212> DNA

<213> Homo sapien

<400> 1254

```

aaagggcatt tgaggggagg attattgcta tgaatgaaaa aaatatttta gcttagacta      60
agctacctgc cttcaaaaata gtttagggac caccaccata ttttattttg tttttatttt      120
tgaacatttt tctaattgatt tggagagaaa actattttaca aaaattccac atatcagtga      180
tacaatttct tgctgtcacc aattttttat aatagcagag tggcctgttc taagaaggcc      240
atatttttta agttatcttt cagggttaaca tggaaatact ataaagttgg atgtcaaact      300
ttaatatgtt ttcagtgttc tctaattttt tggaaatttt gtagacttta cacctggaaa      360
aaaagatttg taaaatcacc ggaacaattg tgtgctttat tttataggta gtggttatta      420
gtattacatc cccatttt                                         438

```

<210> 1255

<211> 519

<212> DNA

<210> 1259

<211> 159
 <212> DNA
 <213> Homo sapien

<400> 1259
 aaaattttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
 caacttttcag gccacagttt tgaaggctctg aagtatttaag ttggtttgat gaattagtcg 120
 gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 1260
 <211> 115
 <212> DNA
 <213> Homo sapien

<400> 1260
 aaaaatacta taattttcaaa acttccaaat ttcaacagat gccagtgttc tctccttttt 60
 tcatatggga aaattttcttt caaaattatt tgacgcttgg acaaaaaattc cacag 115

<210> 1261
 <211> 280
 <212> DNA
 <213> Homo sapien

<400> 1261
 aaaatattgt ttatctttat ttatttttgtg gtaatatagt aagttttttt agaagacaat 60
 tttcataact tgataaatta tagttttgtt tgttagaaaa gttgctctta aaagatgtaa 120
 atagatgaca aacgatgtaa ataattttgt aagaggcctc aaaatgttta tacgtggaaa 180
 cacacctaca tgaaaagcag aaatcggttg ctgttttgct tctttttccc tcttattttt 240
 gtattgtggt catttcctat gcaataaatg gagcaaacac 280

<210> 1262
 <211> 144
 <212> DNA
 <213> Homo sapien

<400> 1262
 aaattatttg atgagttcca cttgtatcat ggccctaccg aggagaagag gagttttgtta 60
 actgggccta tgtagtagcc tcatttacca tcgwtgtgat tactgaccac atatgcttgt 120
 cactgggaaa gaagcctgtt tcag 144

<210> 1263
 <211> 487
 <212> DNA
 <213> Homo sapien

<400> 1263
 aaacatcttg ataatttggt gttgagagct gttcattcta aaatgtaatg aaattcagtc 60
 tagttctgct gataaagatc atcagttttg aaaggttact gattttcctc ttccctctta 120
 gttttttacc caatatatgg agaagagtaa tgggtcaatct taacattttg ttttaattgt 180
 ttaataaagc tgctgggcag tgggtgcagca ttcctaccta gtgtcataaa agcaaaatac 240
 ttacatagct ttcttataat ataggaatga cattacattt ttaggagaaa gtaagttgct 300
 ttgcacgcc tacttaattc ttttccatat attgtgatac aaacttttga atatggaatc 360
 ttactatttg aatagaaatg tgtatgtata atatacatc atacataagc atatatgtgt 420
 gtgtgtgtgt gtatatatat atatatgcat gctgtgaaac ttgactacac aacataaatc 480

487

<400>	1264						
ctgcttcaac	agagtggcag	caaccaagct	ggagtccaag	ccccctgata	aaaggcagcc		60
aatcctttctg	tctgtcatca	aacgttttctt	tacagcatta	ttaaaaagga	tcttgagggtt		120
gtttcttca	gtttctatct	caaaacctgg	aaagagtttc	tccacattgt	catagagggc		180
gtgcaggggg	tcattccgac	agtgatgata	tttaaccatt	tccacggatg	caactttgcc		240
atttggctttt							250

<400>	1265								
aaatatttgt	tccaaccttt	ttcgttggtg	gcatttatgg	ctttggagca	ctgtcaggcc				60
catgttcatt	accgtgagct	cctgtgcato	tcctaatttc	caaactagcc	tggaaaacgc				120
ctccattgac	catgattggt	tcatggctct	gtgcatggaa	catcatatgt	tcagggagat				180
aaagaactct	gatagtggca	cctgggtaaa	aagtacaatc	cattatatct	ggatatcaag				240
atctttttgca	gttgaagaga	ggtatttgcca	cagagaaaaat	tataggagca	gaagaaagtc				300
aatgaaagtc	aatgatgaca	ctccattagg	aaccagaaag	atggtatttta	tttatacata				360
taataggtgt	aagagattag	aggaagcctg	tcac						394

<400>	1266						
ccacagttgt	atcatatagc	atctctaaca	tttcatctag	gattatctag	tatagatctt		60
actatatattg	gggctatgtt	gtatacaatg	ttaacaagaa	catatatctct	ctgcatatat		120
gtgtgaatta	taaagaaaag	catgagaatg	actctaagtt	caacaaacat	gggtgaatct		180
ctatgtgctc	ccagtgctct	ggatgggctc	cccagcaagc	cattcctcc			229

<400>	1267								
aaatcttattc	aacttttccaa	atttttcatac	taaaatatat	tattgtatta	atacaaaacta				60
cagtattata	cactacaactg	tgtaataaat	aaagaaatat	aaaaataaga	cacataaata				120
taaaagtttt	ctaaaactaa	aagtacatat	gtcagtaaga	agggtattaa	tactgccagg				180
tttgaagaca	tacagtacaa	aaatgtttqca	cagatctata	aactaaaaaga	aataaaaataa				240

ccatcctggg	cggagctaaa	gttgagaca	agatccagct	catcaataat	atgctggaca	60
aagtcaatga	gatgattatt	ggtggtggaa	tggcttttac	cttccttaag	gtgctcaaca	120
acatggagat	tggcacttct	ctgtttgatg	aagagggagc	caagattgtc	aaagacctaa	180
tgtccaaagc	tgagaagaat	ggtgtgaaga	ttaccttgcc	tgttgacttt	gtcactgctg	240
acaagtttga	tgagaatgcc	aagactgg				268

<210> 1271
 <211> 307
 <212> DNA
 <213> Homo sapien

<400> 1271						
cctactcttc	tccgtccatt	gtactatctg	cccgtggtgg	ggatggcagt	aggatcatat	60
ttgatgactt	ccgagaagca	tattattggc	ttcgtcataa	tactccagag	gatgcgaagg	120
tcatgtcctg	gtgggattat	ggctatcaga	ttacagctat	ggcaaaccga	acaatttttag	180
tgacaataa	cacatggaat	aatacccata	tttctcgagt	agggcaggca	atggcgtcca	240
cagaggaaaa	agcctatgag	atcatgaggg	agctcgatgt	cagctatgtg	ctggctcattt	300
ttggagg						307

<210> 1272
 <211> 798
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(798)
 <223> n = A,T,C or G

<400> 1272						
ccattgctag	aaattgaatc	acaaataata	gctaataatt	tttcattttt	caaaaaagat	60
catttggata	gcagctatgt	ataaaatgga	aaataaaaaa	ttattctatt	ttgcatgaat	120
agttcagact	ttcccatacc	acagccaagc	agtaactaaa	attaggatct	taattttcaa	180
tgataaaaag	tctaaggttc	atttaattat	gctcctttta	cactgtcttt	ctagattttt	240
caccagctat	tttcaaaatt	tggaatgta	aacaattgat	atatttattg	tatgttggct	300
agcagttcat	ccttctgcaa	aatatgcatt	cagagaaatg	tgaagcttgt	tttaatgaag	360
acttaaacca	tttgtgtcat	ttgtgttttc	atattcaaat	acaccaaatt	aaaattctga	420
acctatattt	ttcatcatta	acttccta	ataccagaac	atataccttt	ttcatgtaaa	480
gttggcaatg	ggatatggca	gttttatttt	tgaaaaatat	gtaacatgac	tttaatattt	540
ttatagtttt	cagaattaga	aacataggaa	gggaaaatgt	tttaattaga	taagtcaact	600
ttttatgggc	tgnagtggng	actataatag	caaattataa	agcattatta	aatgggtata	660
ataattttta	tattacctca	ttatgaatta	actaaaataa	agnggagtga	tattttta	720
gggtgntcat	actggagctc	ctgagatata	tgatttgcta	ttgactcact	ggntgattga	780
ataatatatt	actgcg					798

<210> 1273
 <211> 664
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(664)
 <223> n = A,T,C or G


```
<400> 1280
aaacacatac gaagaaatca actgtgatta tgaagtggca gccagctaaa tatgtcttgt      60
atttgcctct ttcctttttt tgccctaactc atccctttact tccattcctg cttccatggt      120
```

aatgcaggct	caaataaatt	actaggatac	aagattactt	caagcctctt	ttctgtggaa	180
ctcataatat	gataagcatt	tgttacaaga	ttgcctgtag	ttgttttaggg	gataaattat	240
attaggggaaa	gaaagtcttt	cttttagttgg	ttaaattttc	tattataatt	gggtactaaa	300
tttatttt						307

<210> 1281
 <211> 235
 <212> DNA
 <213> Homo sapien

<400> 1281						
aaaatatattt	aatagttaca	tagcacttta	gtttgctgat	ttaattttatc	ccaagggaca	60
aggatgttaa	tgagaaaact	gactagattt	cagatcacag	attttaagag	aacaaggatc	120
tcaaaaccaa	ataccctctg	cttaaagtgt	tttttgtgtt	tttccactact	gaaaatgttt	180
agagattgac	ttacctattg	ctgatactca	aaacatctga	tatcttaata	ttttt	235

<210> 1282
 <211> 230
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(230)
 <223> n = A,T,C or G

<400> 1282						
aaagaatttc	tttataagat	tkactgtmta	agattaatag	cattcgaaga	tccccagact	60
tcatagaata	ctcagggaaa	gcattttacct	csgtcgctga	ccackctarg	ggcsawggcc	120
agcacactgg	cggccgttac	tagtggatcc	gagctcggtg	ccaagcttgg	cgtaatcatg	180
gtcatagctg	attnctgtga	ggtaccagat	tgctgtagt	tgtttagggg		230

<210> 1283
 <211> 638
 <212> DNA
 <213> Homo sapien

<400> 1283						
aaacacaaca	gctataaacc	tgaacacata	tgctatcatc	atgccataag	actaaaacaa	60
ttatatattag	cgacaagtag	aaaggattaa	atagtcaaat	acaagaatga	aaaacgcagt	120
acatagtgtc	gcgaactcaa	atcggcattt	agatagatcc	agtggtttaa	acggcacggt	180
tttgcttata	aaaaaagtgc	aaaaaagatg	tggtttacaa	gttaaagcta	cagaatccct	240
ttttgctgta	attgcaccag	ttttaaagcc	tctggacaga	gcagtatttc	gtttaaaact	300
ttgttyttct	taaaagctta	cagtgtttgg	ctaattctcc	tcyccttttt	acaagacggg	360
ggccggaggg	tggacactgg	tggcaggtta	agggatactg	tcactttaag	aagcctgcag	420
attgaagtgt	aaacatggag	aaattagggg	ctgatttttt	aaactgtgtg	agatattaac	480
cagccgccct	gttataaaat	caggaaatcc	aaacagcgat	ttacaccgat	taacaccccc	540
tttatatat	ttttacaaaa	atacactgag	aaaataatca	aacgttttca	tctctcttgt	600
ctttttttgt	tttttaaaag	tgtcaaaagt	ctacattt			638

<210> 1284
 <211> 745
 <212> DNA
 <213> Homo sapien

<223> n = A, T, C or G

cgacggtatc	gataagcttg	atatcgaatt	cctgcagccc	gggggatcca	ctagttttga	60
atttacacca	agaactcttc	aataaaaagaa	aatcatgaat	gtccacaat	ttcaacatac	120
cacaagagaa	gttaattttc	taacattgtg	ttctatgatt	atttgtaaga	ccttcaccaa	180
gttctgatat	cttttaaaga	catagttcaa	aattgctttt	gaaaatctgt	attcttgaaa	240
atatccttgt	tgtgtattag	gtttttaaat	accagctaaa	ggattacctc	actgagtcac	300
cagtaccctc	ctattcagct	ccccaagatg	atgtgttttt	gcttacccta	agagagggtt	360
tcttcttatt	tttagataat	tcaagtgcct	agataaatta	tgttttcttt	aagtgtttat	420
ggtaaactct	tttaaagaaa	atttaatatg	ttatagctga	atcttttttg	taactttaaa	480
tctttatcat	agactctgta	catatgttca	aattagctgc	ttgcctgatg	tgtgtatcat	540
cggatgggatg	acagaacaaa	catattttat	atcatgaata	atgtgctttg	taaaagatt	600
tcaagttatt	tgaagcata	ctctgttttt	taatcatgta	taatatcca	tgatactttt	660
atagaacaat	tctggtttca	ggaaagtcta	gaagcaatat	ttcttcaaat	aaaanggggt	720
taaaactttaa	aaaaaaaaaa	aaaaa				745

<213> Homo sapien

cgacggtatc	gataagcttg	atatcgaatt	cctgcagccc	gggggatcca	ctagttatta	60
atagtaatac	attacggggt	cattagttca	tagcccatat	atggagttcc	gcgttacata	120
acttacggta	aatggccgcc	accgcggtgg	agctccagct	tttgttccct	ttagtgaggg	180
ttaattgcgc						190

<213> Homo sapien

ctgcacatcttt	accagcaata	tatgagggtt	acaattttctc	yccatctttg	60
tgaacgcttg	ttagagtctg	tcctcttttc	ttccattctg	tgggttggtc	120
taaattgtag	aaccttcaaa	gcacaaaggt	ttt		153

<213> Homo sapien

aaaaaacacaa	aacactagaa	cagttgctat	gaaattactg	ataatgatcc	ctttaataaaa	60
ctgcaatttaa	ccactaatat	agaaattcaa	tttaagcaag	aagttttata	tattatactt	120
tcagaaaaaa	aataattttg	aaaaagtaat	gmcaaacaga	gatcaaacat	ttagggcatt	180
agttactgca	ttctcttttt	agaatatata	ttaagtaaca	ctagtaaaat	tt	232

<210> 1288

<400> 1292
 aaatatacct ttattttctca aactcaaagc tttatcaagt tctaacacat tttgcattga 60
 caagtgattt tatctgcatc aagtaagggt agtgaccacc acgaaagagg aatccccaga 120
 cctcctaggc actaagaaat atttcaaagg ctatgcaa atagaacaaa aagctttcaa 180
 tttagtctaa ttggtatcta tttttcatct atattaattt ggaaataagt tgctacctta 240
 gaaaaattac atttttatcc attaaaataa aacaccagat aggttgagtt ttttt 295

<210> 1293
 <211> 256
 <212> DNA
 <213> Homo sapien

<400> 1293
 agattcactt caaagtgaaa atgacaacac atctcaagaa actcaaagaa tcatactgtc 60
 aaagacaggg tgttccaatg aattcactca ggtttctctt tgagggtcag agaattgctg 120
 ataatacatc tccaaaggaa ctgggaatgg aggaagaaga tgtgattgaa gtttatcagg 180
 aacaaacggg gggtcattca acagttttaga tgttcttttt attttttttc ttttccctca 240
 atcctttttt attttt 256

<210> 1294
 <211> 90
 <212> DNA
 <213> Homo sapien

<400> 1294
 aaaatactta gctttattaa agacatggta ctaaaaataa cagattccaa catttgctct 60
 atttctactt atatatcata aataagacag 90

<210> 1295
 <211> 519
 <212> DNA
 <213> Homo sapien

<400> 1295
 ctgtcgcttt atcagtgcta tattttatctg gaatatagag gctcctttta ctgtttttta 60
 ggtgctttgt gctaaggatg aagatacaat tcctcagctc ttggtagact tttgggaagc 120
 tcagctagtg gcatgtctcc cagatgtggt acttcaggaa ctctttttca aactcacatc 180
 acagtacatc tggagattgt ctaagaggca gcctcctgac accacaccat tgcgaacatc 240
 ggaggatctt attctcctgg tcattccttg gtagatattt ggaataaaaat aatcacactg 300
 actgtgattg ggtagatcac attccatatt ctctgtgag tctcagaaga tgcttcattt 360
 tgtagaacgg tgtaagtggg ttccattcca gcatgaatgt ggtcgggtcac atggcagtg 420
 agtaacaaa ttccagggtg tcttggaac atttctaggg tttggtatgt tccagggaaa 480
 atgtcaaaga catcagaact ataaactccc ctgtgcttg 519

<210> 1296
 <211> 419
 <212> DNA
 <213> Homo sapien

<400> 1296
 aaagcaaaca gcagaaacca gaagcttctg accctctaac atgtattact gtccaaccca 60
 ccatgagaag tatgttctact tggtgacaac aaagagactc cgtatcatat gtatgttaat 120
 gaccagattg ttcatatggg atttttctta acagattatc aggttgagaa tgattctttt 180
 tctccaaggg caagaaaaag ctggctaaat gctagttaat taaatccatt ctcaattttg 240

aactgtagag	aagaacctga	cttgaatgag	atcttctaaa	ggaagacatt	tcttgctcaa	300
cctcaggtat	aattagatta	taaggaatct	cacgtccaga	atcttatctg	ctgattgtta	360
gtatggtagg	taattggcct	taggacacta	tttctactag	aaccctttac	attattttt	419

<210> 1297

<211> 199

<212> DNA

<213> Homo sapien

<400> 1297

caggtctgaa	gattttacat	gcagatacca	gataccttaa	cttgtatttc	tttagtcac	60
ttttggcttg	gaagtttcct	ctgttgtctt	tgctgaatcc	ttcgctttac	ctccattctt	120
aggtgctttg	gagctggaag	cagccttctt	gcacttatcc	tttgctgtgt	tctgtgaggt	180
ttctgtagt	gagggacag					199

<210> 1298

<211> 484

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(484)

<223> n = A,T,C or G

<400> 1298

aaatacactt	gaaaagtaaa	atgtttttct	agctttttccc	tcagggcgta	acaccacacc	60
attcataaca	atgctatttt	ccaaagggtt	caattagatt	tcctcagaag	catacctgaa	120
ctgttaatca	ttacaactcc	tttgtgaaac	atgggactgg	ttgattaccc	agtgtaatca	180
ctggctgaaa	cctcagcaca	ctgtttttca	ccccagtggg	ggcagggttt	cacctcccct	240
ctagctgtac	ccctctctta	atgcccata	tagagaactg	tgatcttctt	tctccactag	300
aaatgttcac	tttcatcag	taagggtata	aacaaaaaca	agagacagaa	gatcttaaaa	360
aaaaaaatag	taatagggca	agtaaaactc	gtgaggttag	aggaatttgt	ttgggggggca	420
ttctatgttg	ttagytncat	atcatgttca	gtttgntggg	tctaganccc	tctgaaatgc	480
atta						484

<210> 1299

<211> 419

<212> DNA

<213> Homo sapien

<400> 1299

aaagtccatc	tttgcaaatt	atacgttgct	ataaatacat	tgtgtatttg	gcattatgtg	60
aatttgttta	atccagtgtc	aattgtctaa	tggtctaaag	tgtcccattg	aagttataat	120
ctggatgaac	tgaacaataa	gagaagtttt	cttcattagc	ccaattgttt	atcactcaat	180
tcctactcct	gcccattggt	tcttccacct	tcctctggag	aacataaaga	gattctagat	240
ctctgtataa	ggtgggttgc	tttagcttga	aatcatcagt	gaggattata	catgggcaat	300
gtccagaaat	cacattattg	ctcatagacc	gtgtagtctt	gatctaacgg	ataactgtac	360
attgtcttca	ctaagaagct	agggtggttg	tccttgatat	tgggacattg	tagacttgg	419

<210> 1300

<211> 182

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(182)

<223> n = A,T,C or G

<400> 1300

ccntngaatt	gtgtgcatag	ggaagcactc	acccaatgag	actttctcca	atgtggactc	60
tgtgtgtcag	ggaatgaatg	tagaaaaatt	cactttggag	ggttatcaka	tcaactagta	120
agaagcatta	atattattaa	agtgaagaaa	ctgcagagaa	aattacagaa	caaaactgta	180
gg						182

<210> 1301

<211> 312

<212> DNA

<213> Homo sapien

<400> 1301

aaagttttta	tctctgctga	ggcttcacat	ctgtttgctc	aattttatth	ttattttcaat	60
ccttgagcat	gtttataata	tagtagtata	cccttattgt	ggctttactt	tcctcacttt	120
cagtcaccca	cagtcacaaa	atatgaaata	taaaactcca	gaagtaaaca	gtttataaat	180
tttaagtcac	actttgttct	gaggaatgtg	atgcaacctc	ccgccattct	gctgtatcca	240
gttcaggatg	tgacataccc	ctttgctcag	cagatacaca	attcctgctt	cctgctcatt	300
agacatttgc	ag					312

<210> 1302

<211> 109

<212> DNA

<213> Homo sapien

<400> 1302

attcttagat	tatatgtgtc	catcttttgc	gctttctgag	agtaatttta	tttgttgtct	60
tctgaaatgt	acatgtatac	atgtacacct	tgagtgtctat	gtgattttt		109

<210> 1303

<211> 330

<212> DNA

<213> Homo sapien

<400> 1303

ccagagttac	ttggatcagc	atttaggaaa	gtaaaatata	gtggaagtaa	aactgactca	60
tccaactaga	cattctacag	aaagaaaaat	gcattattga	cgaactggct	acagtaccat	120
gootctcagc	cagcccgtgt	gtataatatg	aagaccaa	gatagaactg	tactgttttc	180
tgggccagtg	agccagaaat	tgattaaggc	tttcttttgg	aggtaaactc	agagtttata	240
cagtgtacat	gtacatagta	aagtattttt	gattaacaat	gtattttta	aacatatcta	300
aagtcacat	gaactggctt	gtacattttt				330

<210> 1304

<211> 170

<212> DNA

<213> Homo sapien

<400> 1304

ccactgtagt	ctgcatatcc	ctgtccatat	ccatagttcc	catagttata	cccagtataa	60
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<210> 1308
 <211> 304
 <212> DNA
 <213> Homo sapien

<400> 1308
 ctgtcttttg gaggacgtac gtaataaggt ttttaatttag taaaccaatc ctatgcatag 60
 tttcagcact agccaaacct caccaactcc tagttctaga aaaacaggca cttggcagcc 120
 ttgtgatgtc atacagagaa gtcacaggca gtacctgagg gtctgtaggt tgcacacttt 180
 ggtaccagat aacttttttt ttctttataa gaaagcctga gtactccaca ctgcacaata 240
 actcctccca ggggttttaac tttgttttat tttcaaaacc aggtccaatg agcttttctga 300
 gcag 304

<210> 1309
 <211> 289
 <212> DNA
 <213> Homo sapien

<400> 1309
 gggattttcca attaacagta ttaccagata aatattcttg gtccaagcag aaaatatcaa 60
 caaaaagagc cttcttctcc tgtaaactct aaatgcctac atcactcttt atgatacatg 120
 gatcatctta tgtggatact taaatttttc atgtctgctt cttttgcctc tcccaactat 180
 actatgagga aattcggaac aaagacattt ttgtaaatatt tcttatctcc ttcacaccta 240
 gtatagagct gatttttaca aggcatttta gagatatttg aattgattt 289

<210> 1310
 <211> 534
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(534)
 <223> n = A,T,C or G

<400> 1310
 tgctttgcat tttctgatgt attacatgac tgtttctttt gtaaagagaa tcaactaggt 60
 atttaagact gataatttta caatttatat gottcacata gcatgtcaac ttttgactaa 120
 gaattttgtt ttactttttt aacatgtgtt aaacagagaa aggggccatg aaggaaagtg 180
 tatgagttgc atttgtaaaa atgagacttt ttcagtggaa ctctaaacct tgtgatgact 240
 actaacaat gtaaaattat gagtgattaa gaaaacattg ctttgtggtt atcactttta 300
 gytttgacac cttagattata gtcttagtaa tagcatccac tggaaaagggt gaaaatgttt 360
 tattcagcat ttaacttaca tttgtacttt agagtatttt tgtataaaat ccatagattt 420
 attttacatt tagagtattt aactatttga taaagtttgt aaataatttt ctaagacagn 480
 ttttatatan gctacagggg gccctgattt tcttattgaa tttggttaga ctag 534

<210> 1311
 <211> 114
 <212> DNA
 <213> Homo sapien

<400> 1311
 aaaatttgta ggagttgtag actacctaaa tttttaagtt atggyatttg gtcataggtt 60
 gactgggtag gtaaagaagg aaacagacaa gaaaatggct tcttgagggtg gcag 114

<210> 1312
 <211> 95
 <212> DNA
 <213> Homo sapien

<400> 1312
 gggcgggtaa aggtaggccg cgagagcgag gttaggagag gataggaggc cgcagtactg 60
 ctcacacgct ccgctcttct cccactctcg actct 95

<210> 1313
 <211> 519
 <212> DNA
 <213> Homo sapien

<400> 1313
 aaatgataca gtatttttagg tatgatttaa gactatgatt tacctataca ttatatatat 60
 ttataaaga tactaaacca gcataccctt actctgccag agtagtgaag ctaattaaac 120
 acgtttggtt tctgaataaa ttgaactaaa tccaaactat ttcctaaaat cacaggacat 180
 taaggaccaa tagcatctgt gccagagatg tactgttatt agctgggaag accaattcta 240
 acagcaaata acagtctgag actcctcata cctcagtggg tagaagcatg tctctcttga 300
 gctacagtag aggggaaggg attgttgtgt agtcaagtca ccatgctgaa tgtacactga 360
 ttcctttatg atgactgctt aactccccac tgccgtgtccc agagaggctt tccaatgtag 420
 ctcagtaatt cctgttactt tacagacagg aaagttccag aaactttaag aacaaactct 480
 gaaagaccta tgagcaaagt ggctgaatac tttttttt 519

<210> 1314
 <211> 518
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(518)
 <223> n = A,T,C or G

<400> 1314
 ccatgggtggg tgaagacgct gatctgccct gtcacctggg gttttttatg agtgcagaga 60
 ccaggagagct gaggaaaccc gagytcacgc ctaaggcagg tggatgaacgt gtatgcagat 120
 ggaaaggaag tggaagacag gcagagtga ccgatcagag ggagaacttc gattctgcgg 180
 gatggcatca ctgcaggga ggctgctctc cgaatacaca acgtcacagc ctctgacagt 240
 ggaaagnact tgtgttattt ccaagatggn gacttctacg aaaaagccct ggtggagctg 300
 aaggttgacg gtgagcctcc aggttttgnt ctgagaacac ttctctgtag gatctanagc 360
 agatgcagag tccctcttcc aaaagtactg cagacactcc tggctgctca ctagcaatng 420
 tctgcaactgc ctcccaactn agcttctctg caacccttaa gaaagacaca ttctttcttt 480
 agaaagaatt cctgctgnac cttacatgcc gaagtaaa 518

<210> 1315
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 1315
 tctgtgcac ccaatttatta tagwtttgta agtaacaata tgtaatcaaa cttctaggtg 60

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<210> 1316
<211> 277
<212> DNA
<213> Homo sapien
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<210> 1317
<211> 716
<212> DNA
<213> Homo sapien
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```
<210> 1318
<211> 515
<212> DNA
<213> Homo sapien
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<210> 1319


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<210> 1324
<211> 258
<212> DNA
<213> Homo sapien
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<210> 1325
<211> 534
<212> DNA
<213> Homo sapien
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<210> 1326
<211> 177
<212> DNA
<213> Homo sapien
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<210> 1327
<211> 266
<212> DNA
<213> Homo sapien
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<400> 1327
aaacttgttt tatctaatac tgagcactgt ttttttgtca agtatttttt taagaccaca      60
taattctttt tgtctgtctca aggaaaggat agataaataa ttggcacaca tttgtttctc      120
actgaatttt acagctagtaa attaatgtta taatgtacca catggagatg agttggaag      180
aaatcatcta gttccagagc ccagggatta taacacagtaq gtgaaataqa tttatgactt      240

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acgaaatatg ttgtgacaat atattt

266

<210> 1328

<211> 409

<212> DNA

<213> Homo sapien

<400> 1328

ctgtccaatg	gcaacaggac	cctcactcta	ttcaatgtca	caagaaatga	cgcaagagcc	60
tatgtatgtg	gaatccagaa	ctcagtgagt	gcaaaccgca	gtgacccagt	caccctggat	120
gtcctctatg	ggcgggacac	ccccatcatt	tcccccccag	actcgtctta	cctttcggga	180
gcgaacctca	acctctcctg	ccactcggcc	tctaaccat	ccccgcagta	ttcttgccgt	240
atcaatggga	taccgcagca	acacacacaa	gttctcttta	tcgccaaaat	cacgccaaat	300
aataacggga	cctatgcctg	ttttgtctct	aacttggtta	ctggccgcaa	taatcccata	360
gtcaagagca	tcacagtcct	tgcactctga	acttctcctg	gtctctcag		409

<210> 1329

<211> 136

<212> DNA

<213> Homo sapien

<400> 1329

ccattttcgc	acagtccacc	ataaaattga	aaagattgac	cagagacaga	tcatggaggg	60
cttggaatc	tgtactgatg	aagccatgga	ccagaagaga	agtgagtcaa	tgaagagagt	120
ttctcttttc	acatgg					136

<210> 1330

<211> 311

<212> DNA

<213> Homo sapien

<400> 1330

ctgctaacag	ccctaacggt	gcaacacaag	tacaaactca	ggaacctctt	cgactgccac	60
gcccttcacc	aacagaagga	agacagtggc	gccaccacaa	gtggcagggc	acaggggctt	120
ctgtgacaac	aatatgtcct	tctagtatac	attcattgca	aaggctgcc	tgaagtttcg	180
tttttgga	taactgttat	catacatttt	gtatgatgtt	gcttgtgggc	accatgaaga	240
gagcctggct	gtaaaggaca	gagggagcta	aaccaacaat	gcatggccct	gcgtgccac	300
aagagggagc	c					311

<210> 1331

<211> 613

<212> DNA

<213> Homo sapien

<400> 1331

ctgggcoakg	agctgtgccc	ggtgcctgca	gccttcataa	gcacacacgt	ccattcccta	60
ctaaggccca	gacctcctgg	tatctgcccc	gggctccctc	atcccacctc	catccggagt	120
tgccaagat	gcatgtccag	cataggcagg	attgctcggg	ggtgagaagg	ttaggtccgg	180
ctcagactga	ataagaagag	ataaaatttg	ccttaaaact	tacctggcag	tggtttgtct	240
gcacggtctg	aaaccacctg	ttcccaccct	cttgaccgaa	atttccttgt	gacacagaga	300
agggcaaagg	tctgagccca	gagttgacgg	agggagtatt	tcagggttca	cttcaggggc	360
tcccaaagcg	acaagatcgt	tagggagaga	ggcccagggt	ggggactggg	aatttaagga	420
gagctgggaa	cggatccctt	aggttcagga	agcttctgtg	caagctgcga	ggatggcttg	480
ggccgaaggg	ttgctctgcc	cggcgcgcta	gctgtgagct	gagcaaagcc	ctgggctcac	540

agcaccccaa aagcctgtgg cttcagtcct gcgtctgcac cacacaatca aaaggatcgt 600
 tttgttttgt ttt 613

<210> 1332
 <211> 591
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 1332
 ctgagttaan atggttaaagc caatattatt ttagggaggaa agaggacgaa ggccaatgaa 60
 ccaacatctg cctgctatct ggtgcatcac ccaagggtgac caatggctgg gcacaaataa 120
 acttctcttt tgctagccac agagttgctc actgtggcaa gcctgagctg gtcagaacac 180
 ctgtgtgtgt gttcctgata cacactaacc acaataagca agtctgcaca catctctatg 240
 agcccatgc aaagacaaga cattcccaaa gatcagtcac tagagtgcac caacgaaatt 300
 caagatttga ccaaaacaga ccctgctgcc tcctaaattg ccaattgcct ctcaaaaact 360
 tacagaaaaa gggacattat aagaattcat agagggagag aagaaaaagc tgctactcct 420
 agtcattagt acaatgtgct gtgttaatta gatacctcta tataaattag aaaaagtgtc 480
 ttacttgcac gcttcaataa aatgaatact gagtgtcgta gtgttagatc tgtacagata 540
 taaatttttt gcagctatat aaaagtgtat aagatgggct tttgcatttt a 591

<210> 1333
 <211> 379
 <212> DNA
 <213> Homo sapien

<400> 1333
 ctggtacaaa ggcgaaagag tggatggcaa cagtctaatt gtaggatatg taataggaac 60
 tcaacaagct accccagggc ccgcatgcag tggctgagag acaatatacc ccaatgcac 120
 cctgctgac cagaacgtca ccagaatga cacaggattc tataccctac aagtcataaa 180
 gtcagatctt gtgaatgaag aagcaaccgg acagttccat gtatacccg agctgcccac 240
 gccctccac tccagcaaca actccaaccc cgtggaggac aaggatgctg tggccttcac 300
 ctgtgaacct gaggtcaga acacaaccta cctgtggtgg gtaaattggc agagcctccc 360
 agtcagtcac aggtctgcag 379

<210> 1334
 <211> 384
 <212> DNA
 <213> Homo sapien

<400> 1334
 aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60
 tatcttaata tatcccgaa ctggttagga tagatacaaa tagatttttt ataataaaaa 120
 attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180
 gccatggggt ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240
 gcatagtctt actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300
 agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360
 agggacccga gcaagaactt tcag 384

<210> 1335

<211> 555
 <212> DNA
 <213> Homo sapien

<400> 1335
 aaattagttg ctataaatc atcaatactt tttttcccta ttatatTTTT ggttctatta 60
 ggatttactt aactgaatct tataacaatt cgagggtgaa tgtggcaatg aaaaccagaa 120
 acagttaatg agatgcttca gctcacagtt tgaagtgcgt agaacctag tattttgctg 180
 tacggtactg agctgtacca aaatatgatg gtttaggttt atgtgcaaga ctttgtgttg 240
 tagtctagac aaaggggtgg gcaagagaca tgcaaagctg aagccctgct tgaaaagacc 300
 cttcaaggaa gtaaaatggc aggggcagag tgcagcttaa catgttgcta tccctgttgt 360
 ttttgagttg gttttggaat ggattcaagt tcttacacaa tttattttga atacaagcat 420
 aatctaggtg atttgagtta atgaacttct tttcatgatg tagggaaagc tgaatgtata 480
 tatttctaag aagaatttgt ttagcagatt acaagttggc aaaatagact gtccacagaa 540
 actaggcaaa aattt 555

<210> 1336
 <211> 505
 <212> DNA
 <213> Homo sapien

<400> 1336
 cctggaaaga agcccagcaa aaggttccag atgaagaaga aaatgaagag agtgacaacg 60
 aaaaggaaac tgaaaagagt gactccgtaa cagattcttg accaaccttc aactatcttc 120
 ttgatatgcc cttttggtat ttaaccaagg aaaagaaaga tgaactctgc aggctaagaa 180
 atgaaaaaga acaagagctg gacacattaa aaagaaagag tccatcagat ttgtggaaag 240
 aagacttggc tacatttatt gaagaatttg aggctgttga agccaaggaa aaacaagatg 300
 aacaagtcgg acttcctggg aaagggggga agggccaagg gaaaaaaca caaatggctg 360
 aagttttgcc ttctccgcgt ggtcaaagag tcattccacg aataaccata gaaatgaaag 420
 cagaggcaga aargaaaaat aaaaagaaaa ttaagaatga aaatactgaa ggaagccctc 480
 aagaagatgg tgtggaacta gaagg 505

<210> 1337
 <211> 385
 <212> DNA
 <213> Homo sapien

<400> 1337
 ctggtgctag tcagagctaa tgacagaatt tcagtttaat aaaaagacct ccaactgagc 60
 acaccatctt gaaaaaagta tacttatcaa acagctttca atcagttcaa gagagacacc 120
 ttaattgggg agaggaagaa ttgcagagta gtttgtaatc atgccaattc cagatcaata 180
 actgcatgtc tgttcttttg tagaaatagc ttttgcttta tattaagtaa tcacatatat 240
 attctctcta tttggataag gaaaccttcg ctttatttga caatgtataa tgatatactc 300
 ttctaattca cctctgtgtc ttcacaataa acatgagtaa aatttagaca agtgatggta 360
 aaggtcaata taattattta ttttt 385

<210> 1338
 <211> 350
 <212> DNA
 <213> Homo sapien

<400> 1338
 aaaggtgata ttacacaaaa cctcgtcttt tgttcaactt tggatccatt ggcaattcaa 60
 tggcctcaat ctcccaaac tcgccaaggt actccctgat cttttcctca gtggcttcag 120

gattcagacc	cccaacgaag	atthttcttca	cgggttcctt	cttcatagcc	atggcctttt	180
tagggtcaat	gacacggcca	tccagcctgt	gtccttctg	gtctaggacc	ttctccacac	240
tggctgcac	tttgaacagg	ataaacccaa	accctcttga	cgtccagtg	ttgggatcca	300
tttttattgt	acagtcaacg	acctctccaa	atttagtaaa	atagtctttt		350

<210> 1339
 <211> 443
 <212> DNA
 <213> Homo sapien

<400> 1339						
ctgtctctct	agtaataagt	tcctggggat	aatacattaa	ccaacattgg	ttgaaacata	60
cctgagtaat	catatcagga	tgcatgttaa	gctgataaaa	caataagatc	ocaaaatgca	120
gtagctcaaa	aaaagtagaa	gttaattttat	ctcctggggg	acagctctgg	ttctcaaatt	180
ttacaggctc	agaatcacct	gcagggcttg	tgaaagtaca	gattgctgcg	ctccgcccc	240
agagtthctg	atthtagtagg	tgthaggctg	aaccaagaat	ttgcctthct	aacaagctcc	300
caagtgatgc	tgatgacttg	taggaatgga	thtactthcta	ggattagact	tcagctcact	360
ctgtthgctg	aactctthct	aatththctt	aagthggtag	actcyctgct	ccaggthctc	420
aacgtgaagg	aaggaacccc	cag				443

<210> 1340
 <211> 273
 <212> DNA
 <213> Homo sapien

<400> 1340						
cctcaggaac	aggtaggggc	agcagaatag	aatagcatcc	atthcccaga	gaaagactgc	60
ctthacatkt	cccatgctth	tagcacaaag	cagcgtctgg	gccactgtta	ccagaggtga	120
gthtatacat	ttacaaaatg	ctthaaaatct	thgggaagca	agaggaagct	aaacagaagg	180
tcccattgta	actgaaggca	aattcactca	acctctctag	taagggaccc	atgggcctac	240
agagtgttcc	ctctacaatg	tgacagagtgg	aaa			273

<210> 1341
 <211> 561
 <212> DNA
 <213> Homo sapien

<400> 1341						
ccatgggccc	ggtcacgaac	aaaacggggc	tgagcgctc	gcccctggcc	gcagatacct	60
cctactacca	gggggtgtac	tcccggcccc	ttatgaactc	ctcttaagaa	gacgacggct	120
tcaggcccgg	ctaactctgg	caccccggat	cgaggacaag	tgagagagca	agtgggggtc	180
gagactthtg	ggagacggtg	ttgcagagac	gcaagggaga	agaaatccat	aacaccccca	240
ccccaacacc	gccaagacag	cagtcttctt	cacccgctgc	agccgttccg	tcccaaacag	300
agggccacac	agatacccca	cgthctatat	aaggaggaaa	acgggaaaga	atataaagt	360
aaaaaaaaagc	ctccggtthc	cactactgtg	tagactcctg	cttcttcaag	cacctgcaga	420
thctgattth	thgtgtgtg	ccattgctgt	tgthgcaggg	aagtcttact		480
taaaaaaaaaa	aaaaaattth	gtgagtgact	cgggtgtaaaa	ccatgtagth	ttaacagaac	540
cagagggttg	tactattgtt	t				561

<210> 1342
 <211> 159
 <212> DNA
 <213> Homo sapien

```
<210> 1343
<211> 76
<212> DNA
<213> Homo sapien
```

```
<210> 1344
<211> 726
<212> DNA
<213> Homo sapien
```

```
<210> 1345
<211> 742
<212> DNA
<213> Homo sapien
```

<400>	1345						
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ttgagggcag	gctgatgttt	cctgaatggg	cccctggttg	ttgcttgctc	ctgactctcc		120
atttccccat	ctgagtggat	ttggacctaa	tagggcactg	gagctgggtc	gaatcctgac		180
tggactactt	ggcaacctta	tgtctgggag	caagttactt	aacctcccca	agcctgtgtc		240
tgtgaaatgc	gggtaaata	atgtagatgt	ttggcagcag	ctactccttg	ttgagctctc		300
acagtgaact	ctcctgcctc	tgcctcctt	cccgcctcc	cctggtgcct	agcgtcaggt		360
ctagccactt	cctcctgggc	ccctctcctt	tttctgtggc	tggctgcctg	ccgcctggc		420
gctggacctt	tcatgtaacg	ggaatcacga	tgtatatctt	ggtctggtct	gtttctacac		480
ttaattttgt	ttccagtagt	atttccctgt	accggcagag	ttcacaacaa	catttgaaga		540
ggctttttct	caggattctt	aaccttccaa	aggaagtccc	atggtgggtt	ttctagaagt		600
ctataaatgc	tctgaaattg	tatttttctg	tggaaaagca	taacttttat	ctgcttggtc		660
gtgctcaaaa	aaagatcatg	aatggaatga	attgcattga	attttatgcc	attgggggct		720
taataactaaa	aggatatgga	ag					742

<210> 1346
 <211> 573
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(573)
 <223> n = A,T,C or G

```

<400> 1346
aaatgcattk ttaacttaca gtatttttcaa cttacgatgt gtttatcasg aagtaacccc      60
atcataagca gaggagcatc tgtattgcgt aatttgactg gcacagttaa ttaggttctg      120
ttcagtgwtt tccgtcaaca agatgtttat tgtgtgagta aacaagttaa gccctgtgac      180
aagctgaata agaatagtct ctccctcagca gcttatagta aacaagggta gtaatcotta      240
cattagtggc tagactatca aacgaaatat ataacatgta agaacactaa agacagaatt      300
actgtggcat agagatagtt agaattgctt cagcctaaga gatgaattag gtaatgcaag      360
gaggtgaata tggtggcctg caatatgaac aaggcagaga gctgggagag taagatgtaa      420
gttgctaagg agggatgtgt cttgagtttg gaaaccataa agggaaatca taggtaatgc      480
tagagtcact gatcttangg agccttgaat aacgggtgat actaagggaa tctttatttt      540
ggnngggacta ttggaattaa attggccaga att                                     573

```

<210> 1347
 <211> 333
 <212> DNA
 <213> Homo sapien

```

<400> 1347
cctggtttct ggtggcctct atgaatccca tgtaggggtgc agaccgtact ccatccctcc      60
ctgtgagcac caggtcaacg gctcccggcc cccatgcacg ggggagggag atacccccaa      120
gtgtagcaag atctgtgagc ctggctacag cccgacctac aaacaggaca agcactacgg      180
atacaattcc tacagcgtct ccaatagcga gaaggacatc atggccgaga tctacaaaaa      240
cggccccgtg gagggagctt tctctgtgta ttcggaacttc ctgctctaca agtcaggagt      300
gtaccaaacac gtcaccggag agatgatggg tgg                                     333

```

<210> 1348
 <211> 185
 <212> DNA
 <213> Homo sapien

```

<400> 1348
aaaaaagctt gcagcaagaa aatgccagtg tgcaactggg tgactaaaga ccaaagaaaa      60
acagttaaaa gggacagctt acttgccttc tgtctcaggt ttaacttctc acctgaaatc      120
tctcatagcc ctaattaaac acaaacaaaa gtctcttcca tagataggct acttctcagc      180
ttcag                                           185

```

<210> 1349
 <211> 171
 <212> DNA
 <213> Homo sapien

```

<400> 1349
gcggcagcga ggggctcgga gaggtgctcg gattctcgta gctgtgccgg gacttaacca      60
ccaccatgtc gagcaaaaaga acaaagacca agaccaagaa gcgccctcag cgtgcaacat      120

```

171

[illegible]

<400> 1351							
ccaggaaagg	gcagtcctga	gggagaagac	aggattcagg	gcagtgtctc	gaagctgtgt		60
gctcacctgg	ttggctcatc	aaacctggca	accctgtggc	ctgtctgccg	gagctgactg		120
gatccactca	tcaattcttc	gtccccacta	ctaagactgg	gcatgttttg	ctgggtgtggt		180
ctctgcactt	caggaatggg	cacaacaggg	ggtagccctc	aaaagcactc	ctttttctat		240
acctcttttc	aaggccatgt	aagttgcccc	tctctacctg	gctgtggaca	aaaggttatc		300
tqctotttgg							309

```
<400> 1352
ccacttcatc tgtgtgggaa cgtggtcagg cggggtgctg gtgtttgaca tcccagcaaa      60
gggtcccaac attgtactga gcgaggagct ggctgggcac cagatgccaa tcacagacat      120
tgccaccgag cctgccagg gacaggattg tgtggctgac atgggtgacgg cagatgactc      180
aggcttgctg tgtgtctggc ggtcagggcc agaattcaca ttattgacc gcattccagg      240
atttggaqtt ccgtgccct ctgtgcag                                268
```

```
<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G
```

```
<400> 1353
cctgagtaat tattccatca tagacaaact tgtgaatata gtggatgacc ttgtggagtg      60
cgtgaaagaa aactcatcta aggatctaaa aaaatcattc aagagcccag agcccaggct     120
```


<213> Homo sapien

<400> 1357

ctgggctgct	gcctctggag	tacttccccg	cagctcctca	ttgctcacat	agtaggcaat	60
ggcgttgctc	tcaaacacac	agaatccatc	atcaccctca	aatgctggga	ccttgccggc	120
aggaaatttg	cggagaaatt	caggggtgcg	gttggtttg			159

<210> 1358

<211> 306

<212> DNA

<213> Homo sapien

<400> 1358

cctgtcagag	tggcactggt	agaagttcca	ggaaccctga	actgtaaggg	ttcttcatca	60
gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	cctggaatgg	ggcccatgag	120
atggttgctc	gagagagagc	ttcttgcctt	gtctttttcc	ttccaatcag	gggctcgctc	180
ttctgattat	tcttcagggc	aatgacataa	attgtatatt	cggttcccgg	ttccaggcca	240
gtaatatgtag	cctctgtgac	accagggcgg	ggccgaggga	ccacttctct	gggaggagac	300
ccaggc						306

<210> 1359

<211> 382

<212> DNA

<213> Homo sapien

<400> 1359

agagggagtc	cagcccccaa	gccttgtgag	gcactgttar	gcagataggg	aaaagagggg	60
tccttagatc	actggttcaa	ggagggatct	ggtaggggca	gcatttcttc	tgggctggaa	120
acagaatggg	ggtttcaaga	tggcagaacc	attccattat	tggagctata	agccctaga	180
attgctccat	ggcctatctc	ggtttccctt	ggatctcatc	tgctcctgaa	ctgcacctgt	240
catggcaagt	ccatctccgg	cccccatctc	ccctgagcca	atgtgagtca	ggtgaacaaa	300
attcattggt	tccccaatca	tgggtccggc	aatccgtctt	ctcttcttct	ttcttctcca	360
ccatccagac	gttcagctac	ag				382

<210> 1360

<211> 365

<212> DNA

<213> Homo sapien

<400> 1360

aaaaaacctt	tcaaaataaa	acttagtaaa	atctagaact	gkttcttggc	ctacttgaga	60
ggaacttcca	tattttcaca	gccatctccg	aaagcagcag	ttgctgtaaa	ttaactgaga	120
cttggaatg	gtgcagactg	tcttggtaga	gctgttctta	tagcacaatt	ttatctggaa	180
aataaacttg	taaatgcgtg	ctgtatatta	atacatgtgt	gccccatatt	atttttatta	240
tctcctgcca	gtctttgctc	aatgggagat	gacagaccaa	cttctcaacg	tgatttcccc	300
atttcattga	atgacattta	tatgccactt	atgaaaaaaa	tactgctgtg	aaagaaatgt	360
acttt						365

<210> 1361

<211> 502

<212> DNA

<213> Homo sapien

<400> 1361

gaggatattgga	aaaatatcaa	caaggaaata	ttagatttga	actgctgctt	cgttagcaca	60
cagcacattc	tccaggatat	accatatgtt	aggacacaaa	acgggtctca	ataaattttt	120
aaaagtcaaa	atcttatcaa	gtatcttctc	agaccacaat	ggaataaaaac	tggaaatcaa	180
taacaagagg	aacttctgaa	attgaacaga	tacacggaaa	tcaaaactaca	tggttcctgaa	240
tgaccactgt	gtctatgaag	aaattgattt	taaaaattta	aaaattcttt	gaaacaaatg	300
aaaatagaaa	cacagcatac	aaaaatgtat	aggggtacaac	aaaagaagtg	ctatgagggg	360
catttatttc	aataaacacc	cacatcaata	aggtagaaaag	tttttaaaaca	aataacctaa	420
taaacgcac	tcaaggaact	agaaaagcaa	gaacaaatca	aacctaaaat	tagaaggaaa	480
taaatagtaa	agatcagagc	ag				502

<210> 1362

<211> 545

<212> DNA

<213> Homo sapien

<400> 1362

ctgattggat	gtctaggaat	gactgaaaga	aaccaaaaca	gcctgtccac	tgctgctgtg	60
ggatggagga	ggcgtaagca	gaaacactaa	cagtatactg	acctcttagc	agaaccgctt	120
ccattctgga	gatcacggct	gctaaatcca	gcacccccac	ttcattttac	ccccagcata	180
ttgtttctgta	gtcttttctt	gaaacatott	gattgctttt	cctcggcagc	tttcaaaaaa	240
ccaaataata	atagttatcc	gtcttctact	tcatggaaga	ttgttttggt	gccctgaccc	300
totgaagtgc	ccagttcctg	ccatctgaaa	cctcggcctg	atctgatctc	atgttggaat	360
ctgcctgtct	ttcacacagg	gctggtcttg	gtcctttaca	tgccagtttt	gcttgtgaat	420
tottgctttt	ttcctctcat	cagccttaag	tttaggcgtt	tggtgttctc	cagtgatgta	480
gacagttccc	ttcacaagtc	acagttcttc	ccataaatga	ggcccgtga	cctctgctgg	540
acttt						545

<210> 1363

<211> 286

<212> DNA

<213> Homo sapien

<400> 1363

gggagatgca	ggatgtagac	ctcgtgagag	tgaagccttt	ggtggagaaa	ggggagacca	60
tcaccggcct	cctgcaagag	tttgatgtcc	aggagcagga	catcgagact	ttacatggct	120
ctgttcacgt	cacgctgtgt	gggactccca	agggaaaccg	gcctgtcatc	ctcacctacc	180
atgacatcgg	catgaaccac	aaaacctgct	acaaccccct	cttcaactac	gaggacatgc	240
aggagatcac	ccagcacttt	gccgtctgcc	acgtggacgc	ccctgg		286

<210> 1364

<211> 503

<212> DNA

<213> Homo sapien

<400> 1364

ccatcaggat	catgaaaaca	aactttggtg	aatgtgagca	actgcgccag	acaggacaca	60
ggttacaggg	cctgacgtca	ctaacggtaa	ctgacaatct	tggaatggac	cctactgctg	120
atgtttcaaa	aggacacaga	ggtgaactgg	tcacttctaa	ttaagaagag	ccagtggggg	180
gggggaagct	gaaaaccaa	aatccacgta	gacatacgtg	gcagtgtgaa	cgtctgtcct	240
ccccttctt	ctcctcactt	cctctctctc	tcctcactca	ggctggtatt	ctcctggtgt	300
gctgatgtca	gcttgccctg	cagaagggct	gccagttttt	tagatgtctt	tttgagaaac	360
gagctgcccg	gatgggcact	gttcacgtgc	aggtacaggt	cctcctgggt	ggggcccctg	420
tagccgcaat	cctcgcagac	gtagagcttg	tcccgcgcgt	gcttataggc	atactgctgc	480
tgcaccccat	ggattttctt	cag				503

<210> 1365
 <211> 245
 <212> DNA
 <213> Homo sapien

<400> 1365
 ctgggcggct ccacgctcat ccagtgggcc taggttctga ctgaccagcg aacaaaaact 60
 gtgacagaga totaggattt cattcaggca gtgaaacacc taccgggaa acagagttgg 120
 cattaggaaa ggaaggaagg tacatccatg aagttaaagt gttaggagaa cagtctgatt 180
 aatagctgat ctaattaata gctgacctcc caaatctgac aggatagaca ctgccacgtg 240
 caagg 245

<210> 1366
 <211> 131
 <212> DNA
 <213> Homo sapien

<400> 1366
 aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttgata 60
 tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
 ttagatatt t 131

<210> 1367
 <211> 430
 <212> DNA
 <213> Homo sapien

<400> 1367
 ctgtgcagtt atatgaccat aaaggaaatg aaccattaaa aatggatcta cagccatata 60
 ttctgccgtt actcagaggc ttaatgattt attttcccc tccagccctg cctttaccag 120
 gttaaatgac agaagacctt ctattgtacc tattgttcaa aaaatattac tgttctgtgg 180
 aacctgggag agtccaattg ataagagaaa ctgaatcata ctgatgaggt gaaggatagg 240
 tctgccggtg tggggcaggg cactctttct cagcagccaa gataacttat cacacacgaa 300
 gcagagagaa tgcacccgat gaaaatctct ctgaactgtg ttccttgaag gatctcttaa 360
 aaaaaaaaaa tctgaaacat catccattga acaaatgaaa ggcttatacc tttacatga 420
 agaaacattt 430

<210> 1368
 <211> 294
 <212> DNA
 <213> Homo sapien

<400> 1368
 ctgggcggat agcaccgggc atatttttga atggatgagg tctggcacc tgagcagtcc 60
 agcgaggact tggctcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
 gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
 ttacaggggt gggaacagct cgtacacttg ccattctctg catatactgg ttagtgaggt 240
 gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg 294

<210> 1369
 <211> 429
 <212> DNA
 <213> Homo sapien

<400> 1369
 ctgaaggcaa tgggggactg aggaaggagg cagcagaagt aggagaggag caagaatcca 60
 gaagggaaat gagaacgaca aaactgaagt gcacttcaac atcctgcagc caaaggggta 120
 aaaaggagaa agaagtgcag accagtcaca taaatgccac agtgacatgc acaaaaacgt 180
 gaggggcaca ctccagggac agagtctgac aacatgacaa gctacatggc atcaaactct 240
 ttcatgtgac aggcagcttt tcacatgtgc atcttaagac tggaaacttg ttagataaaa 300
 ccttaagtag ttaataaaaag caaaagtcac cctctattca ctgtttgctg ccatgttcca 360
 ggcatagtag ttggcacttt ttattttatt tcacttgatc agctcagaaa gtccctccaaa 420
 tgagtatttt 429

<210> 1370
 <211> 540
 <212> DNA
 <213> Homo sapien

<400> 1370
 ccaactcccag gatgctgggt ctgcttggct ggctgggacc cgggagccgt cagtccaagc 60
 actcccggat gcaactcaaca acctaaggac gcaggagggt tccggggatg gtccgagctc 120
 gtccgtagat tggaaatcgcc ctgaagatgt agaccctcaa gggatttatg tcataatctgc 180
 tccttccatc tacgctcggg aggtagcgac gccccttttc ccccgctac aactgggag 240
 cgctgggagc aggcagcacc tgctttttcc ctacccttcc tcgattctgt ccgtgaaatg 300
 aattgggtag agtctctgga aggttttaag cccattttca gttctaactt actttcatcc 360
 tatttttgcac cctctttatc gttttgagct acctgocac ttctctttga aaaacctatg 420
 ggcttgagga ggtaacgatg ccgactccgc cagagctttt ccaactgattg tactcagcgg 480
 ggaggcaggg gaggcagagg ggcagcctct ctaatgcttc ctactcattt tgtttctagg 540

<210> 1371
 <211> 142
 <212> DNA
 <213> Homo sapien

<400> 1371
 ttaaaaatggt agcacaagag tctggcaagt tggtagtgca gagaaaaggg gtttaattgag 60
 gcttggttggt agtcgggatt cccctttccc aaacatgcgt ctgcccactt ggacagcagc 120
 catttgtagt cgtatacttt tt 142

<210> 1372
 <211> 377
 <212> DNA
 <213> Homo sapien

<400> 1372
 ccaccatctg tgcaagtagc caaaaccact ccttttaaca cgagggagcc tgtgatgctg 60
 gcctgctatg tgtggggctt ctatccagca gaagtgacta tcacgtggag gaagaacggg 120
 aagcttgatc tgccctcacag cagtgcgcac aagactgcc agcccaatgg agactggaca 180
 taccagaccc tctcccatct agccttaacc cctctttacg gggacactta cacctgtgtg 240
 gtagagcaca ttggggctcc tgagcccatc cttcgggact ggacacctgg gctgtccccc 300
 atgcagaccc tgaaggtttc tgtgtctgca gtgactctgg gcctgggcct catcatcttc 360
 tctcttggtg tgatcag 377

<210> 1373
 <211> 504
 <212> DNA

<213> Homo sapien

<400> 1373

ccatgctaag	tttgggaacc	gctggtgatg	ggacatggat	gcttgcaacc	gaccgtgggc	60
ggatgtgggt	gaccagatgg	cagaggacga	caccatccat	gagggctgcc	cccaggtctt	120
cgtgcagact	gaccttcaat	ctcatctcaa	tgtcttcacg	aagttgttcc	accagctctt	180
tctcttctct	catctgctcc	attttcctcc	ggattgtaaa	ctgcgggtct	atagattcca	240
aattttctctg	aggtcttaga	aacacagact	cagaaatcaa	atgaggatgt	ctcagaaagg	300
agtcactttt	ccagaggcag	gctgcccctt	aactcagccg	agcagcagga	accactgggg	360
ccaaagctat	tttatcttcc	ttaggtaaaa	aaaaatcaat	agaatatttc	ttccccgctt	420
acatgctccc	accactgatg	aacgcgatct	tcagcaagaa	gaactttgag	tccctctccg	480
aagccttcag	cgtggcctct	gcag				504

<210> 1374

<211> 201

<212> DNA

<213> Homo sapien

<400> 1374

cctccgtaag	atgcttgaca	attttgactg	ttttggagac	aaactgtcag	atgagtcctat	60
cttcagtgtc	tttttgtcag	ttgtgggcaa	gctgcgacgt	ggggccaagc	ctgagggcaa	120
ggctataata	gatgaatttg	agcagaagct	tcgggcctgt	cataccagag	gtttggatgg	180
aatcaaggag	cttgagattg	g				201

<210> 1375

<211> 295

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(295)

<223> n = A,T,C or G

<400> 1375

ctgtgaggct	gnttccaagg	aggaaaacaa	ggaaaaaaat	cgatatgtaa	acatcttgcc	60
ttatgaccac	tctagagtcc	acctgacacc	ggttgaaggg	gttcagatt	ctgattacat	120
caatgcttca	ttcatcaacg	gctaccaaga	aaagaacaaa	ttcattgctg	cacaaggacc	180
aaaagaagaa	acggtgaatg	atttctggcg	gatgatctgg	gaacaaaaca	cagccaccat	240
cgtcatgggt	accaacctga	aggagagaaa	ggagtgcgaag	tgcgccagct	actgg	295

<210> 1376

<211> 318

<212> DNA

<213> Homo sapien

<400> 1376

ccagcgctac	tgtactggcc	cagggcagag	ttcatgtatc	tcgtcttgac	cacgtctaca	60
ggggaggcga	tgacagtgg	gcagaagcct	gccccaaagg	cagaagtga	gtggcaagg	120
aggtcatctg	tcatgaggt	ggctttcagg	agggcatcct	tgatgaggtc	ataggtcacc	180
agctcagcac	agttgacaat	ggcattacga	gcaacattgg	gggaggtccc	tttcagagg	240
ccccggaacc	cttcctctcg	ggcaatggtc	ttgtaggcat	tgacgggtgct	ttggtatctc	300
cgaccacctc	cagcccg					318

<210> 1377
 <211> 143
 <212> DNA
 <213> Homo sapien

<400> 1377
 gtggattccg ytcggggcac cgatctcgcc aagatcctga gtgacatgcg aagccaatat 60
 gaggtcatgg ccgagcagaa ccggaaggat gctgaagcct gggtcaccag ccggactgaa 120
 gaattgaacc gggaggctgc tgg 143

<210> 1378
 <211> 98
 <212> DNA
 <213> Homo sapien

<400> 1378
 aaatattggt aatagggtcg caacagcaac tatagaagta caactcaata gatggcatta 60
 aaacatattg tagtgtggat atatattttt tttttttt 98

<210> 1379
 <211> 330
 <212> DNA
 <213> Homo sapien

<400> 1379
 aaagatgttc acgttacgct ggaccaaatt aagacggctt tctccctctt gctgacgtgc 60
 ccagccgtg ataatgacca gcttgaggtt tgcagttaca ttatagtctt tgccagagac 120
 aatctttggt gttctaagga aaaggctgcc atgtttggaga tccatcatct ctcccttcaa 180
 tttgtcttcg acgacatcaa caagagcaag ttcactctgcc aagtccttca ttaagatact 240
 gatggcacag gccatgccaa cagcaccaac cccaacaact gtaatcttat tctggggggg 300
 ctgttcttcc tttagaagat tataaatcag 330

<210> 1380
 <211> 269
 <212> DNA
 <213> Homo sapien

<400> 1380
 ccaactcctgg aaaccactg atagatgagt ttccccatt cttctggcct ccgccacatg 60
 atcaggaagc tggacttgct cttatccaac cactcgaggt tccctttctt cctcagttcc 120
 tctaatacaa totggatcga ctccacagga agcttttcgct gtagcttgac gttgttgaag 180
 agcgggctct cctgagcttc catcaccgtc atgctggact gtttgtgcag gcggcagaag 240
 gacaggacca gcgagcacca ggcgccag 269

<210> 1381
 <211> 232
 <212> DNA
 <213> Homo sapien

<400> 1381
 aaaagagagg aaaggcagtg cagggctgga ggtcctggag ggtggcggcg ggtcgtccta 60
 actagcaggc tgaaagggtgc tggaggggat gccttcactc agaggaagtt cacagccacc 120
 tgcttgga catgtacctg ttcacttttt cgtaattgta gtattcattt tgctatcttc 180
 ctgttgccat ttccaaacag tgtcagtatg tttttgttaa atacgaacat tt 232

<210> 1382
 <211> 348
 <212> DNA
 <213> Homo sapien

<400> 1382
 aaacgtgcta aagggaaagg aatctgacat tctgggtaaa tcttactcaa tctaaatcaa 60
 agcttgggtt tcaggaggag gaaggtgcga gcgcaggcag aggtgctgaa tactcctctt 120
 ctgattcact tccatcatcc tctttctctt ggtcactgcc ctgagtgcta agccggtcaa 180
 accctttttcg actgtagccc ttacggcttg caaagaaatt accaagggtt aagcctccac 240
 ttccctttcc tctaaatctt cccagtaact ttctgaact cgtctcgagt ttgtgttcag 300
 aatctccaaa ggcccttgat tttttccacc gaataaatat ggcaatgg 348

<210> 1383
 <211> 293
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(293)
 <223> n = A,T,C or G

<400> 1383
 ctgcttcaan acctcagett catgggaactt gcgtctttct tctgcagctt ctaatttctt 60
 ctgaatttcc tccagggaag gatccttctt ctttgagggg gaaaggggga attctggaac 120
 agattctttt gaccgagggc tgagaatcag ctcaaaaagcc tggcccgagg cagccttctc 180
 cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
 tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgc 293

<210> 1384
 <211> 573
 <212> DNA
 <213> Homo sapien

<400> 1384
 ctgaagcaac ttgggattaa ttgcttgatt agcttcacga agcacagaga taaggtcgct 60
 cacttgcttt atgttattag gtgtaaagaa agtgtatgct gtgcctgttt tggtagtgcg 120
 agcagttctt ccaattcgat gaatataatc ctctgaggag ttagggtagt cataattgat 180
 gacaaatttc acatcttcca catctagccc tctggaggcc acatctgtag caatcagaat 240
 aggagctttt ccatgtttga attcatttag aaccagtcga cgctcttggt gactcttgct 300
 accatggata cccatggcag gccacccatc tctcctcatt tttctggtaa gctcatcaca 360
 tcttcttttg gtttccacaa aaacaatggt tttattctcc ttctcactca tgatctcttc 420
 cattagacga ataagttttt catccttttc tacgtcatga cacacatcca caatctgaag 480
 aatgttgtgg tttgactca gttcaagtgc accaatgttt atatgaatat agtctttcag 540
 gaaatcttca gcaagctgtc ttacttcttt tgg 573

<210> 1385
 <211> 150
 <212> DNA
 <213> Homo sapien

<400> 1385

```

ccaagggccgc tagggtcctt acccctcagg atcaactcccc agccctttcc tcaggaggta      60
ccgctctcca aggtgtgcta gcagtgggcc ctgcccact tcaggcagaa cagggaggcc      120
cagagattac agatcccctc ctgtaagtgg                                150

```

```

<210> 1386
<211> 159
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

```

```

<400> 1386
aaatgatgtt ttgggttaaga gtggaccatg agaattagct gacagcatcc cttttctctc      60
tccttgccctt ggtgggaccc tcctgtgtgt accttggtca agtcctcgaa cttttgtccc      120
gtatttaaga tggagctgnt ttacctactt cataagaca                                159

```

```

<210> 1387
<211> 735
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(735)
<223> n = A,T,C or G

```

```

<400> 1387
ggtgnaattc goctttgaan ggccgccggg caggtccttt ntgtstgctg aaggcagatc      60
gcttgttcca caccagctac cactcccagg cagtgcatac ccgccctgtt tgcagaaatg      120
cacgctgtac tagcatctcc tgggagctga ggcagaccct gtcagttgta tttgatgcct      180
tcatcacggg gcagggaaag aaagactggg ccctcttccg gatgttctcc cgaaccctca      240
cggagccctg cccctggct tcagagagcc gagtctatgt ggacatcacc acctacaacc      300
aggacaacga gacattagag gtgcacccac ccccgaccac tacatatcag gacgtcatcc      360
taggcaactg gaagacctat gccatctatg acttgcttga caccgccatg atcaacaact      420
ctcgaaacct caacatccag ctcaagtga agagaccccc agagaatgag gccccccag      480
tgccctttct gcatgccag cggtacgtga gtggctatgg gctgcagaag ggggagctga      540
gcacactgct gtacaacacc caccataacc gggccttccc ggtgctgctg ctggacaccg      600
taccctggta tctgcggctg tatgtgcaca ccctcaccat cacctccaag ggcaaggaga      660
acaaaccaag ttacatccac taccagcctg ccaggaccg gctgcaacct cacctcctgg      720
agatgctgat tcaga                                735

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```

<210> 1388
<211> 369
<212> DNA
<213> Homo sapien

```

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<400> 1388
ctggggacag cctacagggg cctccagcct gtgccagacg aggaggtgat tgagctgtat      60
gggggtaccc agcacatccc actataccag atgagtggct tctatggcaa gggtcctcc      120
attaagcagt tcatggacat cttctcgcta ccggagatgg ctctgctgtc ctgtgtggtg      180
gactactttc tgggccacag cctggagttt gaccaagcac atctctacaa ggacgtgacg      240

```


gacgccatcc gagacgtgca tgtgaagggc ctcatgtacc agtggatcga gcaggacatg 300
 gagaagtaca tectgagagg ggatgagacg tttgctgtcc tgagccgcct ggtggcccat 360
 gggaaacag 369

<210> 1389
 <211> 322
 <212> DNA
 <213> Homo sapien

<400> 1389
 aaagatgttt ctggcatttt ctttttattt gtaaggtggt ggtaactatg gttattggct 60
 agaaatcctg agttttcaac tgtatatatc tatagtttgt aaaaagaaca aaacaaccga 120
 gacaaaccct tgatgctcct tgctcggcgt tgaggctgtg gggaagatgc cttttgggag 180
 aggctgtagc tcagggcgtg cactgtgagg ctggacctgt tgactctgca gggggcatcc 240
 atttagcttc aggttgtctt gtttctgtat atagtacat agcattctgc cgccatctta 300
 gctgtggaca aaggggggtc ag 322

<210> 1390
 <211> 450
 <212> DNA
 <213> Homo sapien

<400> 1390
 aaatattagw tgagacttta caggcacata actgttcaga tagaaacaaa cataacagac 60
 taaaatactt tcaaaattaa agccatctag aaaatggaag taactgaaac tgtagccatt 120
 acaattcttt ttctggtttt gagcaaaaat tttatctctc tggcaaaaaca cttttgtctg 180
 atcatttgag agacagggtt cttgtatact gtttcttcaa cgtaaaccctc atttacaaaa 240
 atagtacat agcattatga ataaactatg aattggggac catggaaatg cactagaaca 300
 aattttgttaa aaatatggca gatatggaag ttaaaaatatg aatggatgca aggactgtac 360
 taaagtggtt tgggtgtagtt acaatgttca ctttgcacaa ctatccctat agtctaggt 420
 gccattgggt ttctcctcag cagtgtcaga 450

<210> 1391
 <211> 304
 <212> DNA
 <213> Homo sapien

<400> 1391
 aaaaaatcat aaatgggggtt tcataatcca aagttgaaac atttattctt catagcttca 60
 gaatttaaca accaattgta gaccatgctt tccaaatcca gtcttctttg ctatttttca 120
 aaacttctga gatctagtat taaactgctc cattctaaat gtatagtttt agataagtat 180
 tgtacacttg ttgataaggg ttttctgaaa gcagtctatc aaatataaag aatggtttct 240
 atctaagaat cagcagttag ggaagaaata ttaaaccacct atcaagaaat caattattca 300
 tttt 304

<210> 1392
 <211> 140
 <212> DNA
 <213> Homo sapien

<400> 1392
 ctggaagaag aactgagaca gcagaaagaa gcagcttggt tcaaggctcg tccaaacacc 60
 gtcactctctc aggagccctt tgttcccaag aaagagaaga aatcagttgc tgagggcctt 120
 tctggttctc tagttcagga 140

<210> 1393
 <211> 166
 <212> DNA
 <213> Homo sapien

<400> 1393
 aaaactttgt ttttcttaaa agcttacagt gtttggctaa ttctcctccc ctttttacaa 60
 gacggggggc ggagggtgga cactggtggc aggttaaggg atactgtcac tttaagaagc 120
 ctgcagattg aagtgtaaac atggagaaat taggggctga tttttt 166

<210> 1394
 <211> 543
 <212> DNA
 <213> Homo sapien

<400> 1394
 gcagaggctg tggtaacaaca tggtccttgg tgaagacctg cacccttga acctcccacc 60
 atcatcacia ctgtagtctc atttgcagtg gagaaaagaa cccgacgtcc cacagccaga 120
 tatacaccca gctccatgcc agcccttcat gtttaccttt tgctttgtta attacatgtc 180
 agactcctag agggcctcca gactaatagg aagcatttct gtaaccaacc tgccaccacc 240
 tgattcagaa atggaaatca cattccacaa tctatggctt ctaccagcta gccaggaaa 300
 tacttgaaat cagcattcca attagtgttg agtctcttga ttgtgtcatt taccaattaa 360
 ataaactgaga cctaagtctg ggaacagagc cacgaatctg cctttgagat gctggcagat 420
 ctcaaggcca tcaattattg ggggaggagg ggacaaacac tcccaatcat ccaccagtca 480
 gactgaatgt gtagctggcg aggaattact tccacttctg gccagcaca agcctgtctt 540
 tgg 543

<210> 1395
 <211> 364
 <212> DNA
 <213> Homo sapien

<400> 1395
 cctatcatca gtgggggttg attcaccatc atccagggtg ccatcttcat acaagggtact 60
 agctatgacc aaccgaaact tgtcacccaa gtctacaggg taaatttgaa tgtttacatc 120
 taagattaga tccatcttga aagattcact ctcaaatgc agtcgagaca ctcggtcaaa 180
 cttcttgccc tccgggtcaa tatccttcac atogaaaata tctcaaaca ggatgcccg 240
 catcgcgagg gggccacgag agcagcagaa ggggtgagag cgcgaccaca gttgggagta 300
 cgtgcacccc ctacgtgga caagaccgga gagaaccaa agcacctcct gaaagcgcg 360
 cggc 364

<210> 1396
 <211> 422
 <212> DNA
 <213> Homo sapien

<400> 1396
 gctgctgctg ctattgtgtg gatgccgcgc gtgtcttctc ttctttccag agatggctaa 60
 cagggggccc agctatggct taagccgaga ggtgcaggag aagatcgagc agaagtatga 120
 tgcggaacct gagaacaagc tgggtggaact gatcatcctg cagtgcgccg aggacataga 180
 gcacccgccc cccggcaggg cccattttca gaaatggtta atggacggga cggtcctgtg 240
 caagctgata aatagtttat acccaccagg acaagagccc ataccacaaga tctcagagtc 300
 aaagatggct tttaagcaga tggagcaaat ctcccagttc ctaaaagctg cggagaccta 360

tggtgtcaga accaccgaca tctttcagac ggtggatcta tgggaaggga aggacatggc 420
ag 422

<210> 1397
<211> 653
<212> DNA
<213> Homo sapien

<400> 1397
ctgacctgct atccccacccc aaatttcagc ctgaggtata tttcagtga ggcaggtagc 60
tgtgtcttctc agagcagaga agcagtttta agagcaaaaa ggtagaggaa atctagaaaa 120
gaaccgtctt gatacagatt tatcccatgg tgtgaaggga gggcaaagaa cccagtggca 180
cttcgcttat ccagcaattt ctgtcactgt ggtgaccaac ttctgcccgt tccatagggt 240
cttgaactgc tcaggaactg ggaattcatt aaagtcaccg ccttctgtag gaatgaggac 300
attcatctcg gaagatttgg cactgactat ttcacaatcc aggggaattct tgctcaggta 360
agcatggcag ccatctgttt tgttgatgga tatggttggc actttaccca ttacctgaac 420
tttgacatcc ttactgttga ttatctccac aatgcccacc acgtcatcga ataccaggcc 480
aagttttctta cagttatcta ctgtaatgga gtttaattttg cccttgattt gcaatgtcgt 540
gttgacacac ttgtatatgt aagccacctg tttcagctct gtgtcctcaa tcaccagggt 600
ggaaacattt tctgattttt ccctctccct tcttgccctc agttcaagta cag 653

<210> 1398
<211> 261
<212> DNA
<213> Homo sapien

<400> 1398
aaaattataa ctactcattc tttcttttagc cttagataat ttgagcagaa gccacaacaa 60
gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtctc 120
cacactacta ccattttacag ttgtagggtt gtaatgtata attatgtaat gcasaaacta 180
gctttgactt gtgtracgat gcaactgtcaa aggaagcaaa gtaagaattg aaattccaca 240
ttcccagaat ttaacactca g 261

<210> 1399
<211> 195
<212> DNA
<213> Homo sapien

<400> 1399
ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtga cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgttg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agttt 195

<210> 1400
<211> 120
<212> DNA
<213> Homo sapien

<400> 1400
ctgcctccaa ccctttgggt ctccaccacc caagtttcct gtagggtcog ccgggtccag 60
gatcacaggc ctgggtttcg tgagctgect tctcaggtac ttttcaataa tggggttttt 120

<210> 1401

<211> 284
 <212> DNA
 <213> Homo sapien

<400> 1401
 ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc cttcccctct 60
 gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtggcgg gttccagaag 120
 gttagaagtg aggctgtgag caggagcctc tgccagggga catgcaatct gcagggaggg 180
 gctgaggggg gtcccatggt ctctgctgtc ttctctgtcc acctctttgt agaggagctt 240
 gagctccagg aatgctctgg tcagggtgctc tgtgactgtt ggcc 284

<210> 1402
 <211> 198
 <212> DNA
 <213> Homo sapien

<400> 1402
 ccaggtttct gctggtacca ggctaagtag ctggtgctgg cgggaacact gtgactggcc 60
 ctgcaggaga ggggtggctct tcccccgga gacagagaca gcgtgtctgg agactgtgtc 120
 acttcaagct ctgcgatgcc atctgggagc cagagtagca ggaggaagag aagctgcgct 180
 ggggtttcca tggttccc 198

<210> 1403
 <211> 441
 <212> DNA
 <213> Homo sapien

<400> 1403
 aaactcaaaa ttgacaaatt aactagcttg ctttttgtca tttggaagac taccattatt 60
 caaatttatt atgtaataca ctcattccaga taatgaaaca tctgcgaaaa aaagtgtggg 120
 aatcacctca tctgtgcata aaatggctat tatacatgaa tgcagacgtt tgaagttaga 180
 aaggaatata actcaaatag caaaagggtcc taattacaga gtttacaat aagcagtttt 240
 attttcaaaa gtacatagta agtccagact gggctattgc caaagaacta atcttttagtc 300
 tacttcaaca tgttacatgg tattcctgac tctacagact atcagcatct gtggagggtta 360
 gctcctaaag gtcccaaaga acaggaaaca tgcaggaata aaggactcct catgaagagc 420
 aggtgggagc gagtgggcag g 441

<210> 1404
 <211> 243
 <212> DNA
 <213> Homo sapien

<400> 1404
 tgaaggggtt cttggaagac ctggcacctc cagagcgcag cagcctaatt caggattggg 60
 aaacatctgg gcttgtttac ctggactata ttagagtcac tgaaatgtc cgccatatac 120
 agcaggtgga ttgctcaggt aatgacctgg agcagttaca catcaaagt acttcaactgt 180
 gcagtcggat agagcagatt cagtgttaca gtgctaaaga tcgcctggct cagtcagaca 240
 tgg 243

<210> 1405
 <211> 168
 <212> DNA
 <213> Homo sapien

<400> 1405
 aaaccactgg atctatctaa atgccgattt gagttcgcga cactatgtac tgcgtttttc 60
 attcttgtat ttgactattt aatcctttct acttgctcgt aaatataatt gttttagtct 120
 tatggcatga tgatagcata tgtgttcagg tttatagctg ttgtgttt 168

<210> 1406
 <211> 486
 <212> DNA
 <213> Homo sapien

<400> 1406
 ctggacatac agaaattggt gaatttttgt tgcaacttgg agtgccagtg aatgataaag 60
 acgatgcagg ttggtctcct ctccatattg cggcttctgc tggcgggat gagattgtaa 120
 aagcccttct gggaaaagg gctcaagtga atgctgtcaa tcaaaatggc tgtactccct 180
 tacattatgc agcttcgaaa aacaggcatg agatcgctgt catgttactg gaaggcgggg 240
 ctaatccaga tgctaaggac cattatgagg ctacagcaat gcaccgggca gcagccaagg 300
 gtaacttgaa gatgattcat atccttctgt actacaaagc atccacaaac atccaagaca 360
 ctgagggtaa cactcctcta cacttagcct gtgatgagga gagagtggaa gaagcaaaac 420
 tgctggtgtc ccaaggagca agtatttaca ttgagaataa agaagaaaag acaccctgc 480
 aagtgg 486

<210> 1407
 <211> 560
 <212> DNA
 <213> Homo sapien

<400> 1407
 aaatatatgc ttttctagaa tttgatgttt gaccatttat gacttaatta ccagagagcc 60
 agtaaatag gacagtgttt caacaagcct aggcctatctc gtaagttagaa aaatatccca 120
 ctatagttgc ttcattgagta tgaagtaaga tggcctctga tttactactg ttcaatttac 180
 aaattttcaa ctttatgata ggtttatcag ggtactaaat gcatttcaac ttgatagttt 240
 caacttatga taggtttacc aggatgtagt cccactgttg aggagcatct atttaggagt 300
 taattacttt agtaataagt ggaaagtaag ataccttgag taatgtttgc ctataaaaatt 360
 gtcagcgtat ttttacacta ttggctcaag aatgttataa tgctaaggga cataagttgg 420
 caaccacttg gtttttgaa ggactttcgg tattgtatta gaagtctgcc ctagctgtta 480
 aatttctggg tatttatcct aaggaattaa ttaaagagtt aattgttcct ttcttcagtg 540
 ggccattggt ttagatattt 560

<210> 1408
 <211> 360
 <212> DNA
 <213> Homo sapien

<400> 1408
 ctgcctagtt gtagttgaca gacaacttta taagctctag tcaaccctat tgactaagct 60
 tctgaaccac tagcatagtt ctagggtcag gcggtatgct actgtgggca ggaaagtgat 120
 gcatgcatgt gtgggagcag tgtcttaatg tctgaaatag tagccatgag ctacatgtgg 180
 ctatggagca cttgaaatgt gggagtcгаа attatcatgt gctgtgagtg taaaataata 240
 tgtttctaag accgtgtgtg aaagaatata aaatatctca ttaaaaaatg tttatattga 300
 gtacatgttg aaataatttt atatttgtga cacattgtgt taaataaaat attaaaaatt 360

<210> 1409
 <211> 208
 <212> DNA

<213> Homo sapien

<400> 1409

ccagtccaac	ctgctcctca	ttattgtata	aatgagcaga	atcaatatgg	cggaagccag	60
cttcaattgc	caatttggtg	gcctctaaag	ctttactttt	aggaacctct	gcaggcgcat	120
aggtgccaaa	tcccaggaca	ggcatgaagt	gaccatcatt	cagcttcaca	cactgatatt	180
tcgaatccat	ttctgtcact	agcctggc				208

<210> 1410

<211> 404

<212> DNA

<213> Homo sapien

<400> 1410

aaaaaaagga	aaaagtttta	ttacgaaact	agtttgtata	aaacagggtt	atacatattt	60
ttgtaagt	gtaataaaac	agtaagaaaa	aaaaggcagt	aatagaaatc	tccaaaaggc	120
aacctatcaa	aaccaactgg	ctgccacttt	gagtttggac	agtagctgca	taaactttgt	180
tcttcttg	cagtatttaa	taacatcatt	aatacatata	caacatttct	ataaagtaag	240
acacattggt	gctgaagtac	aactgggtggc	ctcttgatct	cacctatgag	gagagttctt	300
tacamawcca	catagggaaa	attgcagttg	taagggtgarc	tacacatcta	aaatatgcag	360
aggtaatagc	attacatggt	aaagtatcaa	gatatacaca	tttt		404

<210> 1411

<211> 623

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(623)

<223> n = A,T,C or G

<400> 1411

ccacttggtg	agatatgggg	agcctacact	cgggagggst	gtacctttag	caactggccct	60
catctctgtt	tcaaatccac	gactcaacat	cctggatacc	ctaagcaa	tctctcatga	120
tgctgatcca	gaagtttcc	ataactccat	ttttgccatg	ggcatggtgg	gcagtggtag	180
caataatgcc	cgtctggctg	caatgctgcg	ccagttagct	caatatcatg	ccaaggaccc	240
aaacaacctc	ttcatgggtg	gcttggcaca	gggcctgaca	catttaggga	agggcaccct	300
taccctctgc	ccctaccaca	gcgaccggca	gcttatgagc	caggtggccg	tggctggact	360
gctcaactgt	cttgtctctt	tcctggatgt	tcgaaacatt	attctaggca	aatcacacta	420
tgtattgnat	gggctgggtg	ctgccatgca	gccccgaatg	ctggttacng	tttgatgagg	480
agctgcggcc	attgccagtg	tctgtccgtg	tgggccaggc	agtggatgtg	gtgggccagg	540
ctggcaagcc	cgaaaaactat	cacagggttc	cagacgcata	caaccccagt	gttgggtgggc	600
ccacggggaa	cgggcagaat	tgg				623

<210> 1412

<211> 171

<212> DNA

<213> Homo sapien

<400> 1412

gcggcgctgg	gggtgctgga	gtccgacctg	ccaagtgcgg	tgacacttct	gaaaaatctc	60
caggagcaag	tgatggctgt	aactgcacaa	gtgaaatcac	tgacacaaaa	agttcaagct	120
gggtgcctatc	ctacagaaaa	gggtctcagc	ttcttgggaag	tgaaagacca	g	171

<210> 1413
 <211> 189
 <212> DNA
 <213> Homo sapien

<400> 1413
 aaaagtcata aggggttttat tttgtatcat caaaatattc tataagggtcc caaataactct 60
 ttttcaaccc atgaacagta agaatttggtg aattctgata atgaaaaaag ttttcctcca 120
 ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
 gaacaccag 189

<210> 1414
 <211> 564
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 1414
 cctccccagc gcccacaaagg ctattacaag tacctataga cttttcacat ataagttcta 60
 gtgggtacaa gctttttttt tttttttttt tttttttttt tctattgggk atttcattca 120
 ttttgggggg ggaacaaatt ctacaaactg ctttaatat gkcccttttt tctaatactc 180
 acattaaact tttatgtaaa acataccaat gcttttaata aagcttacat aggaataaac 240
 tattatagac ctgcatagat ataagtaccc atgtattaat ctacattaaa ataatggatt 300
 ttattctgcg aaractccaa gttgctcctg ggkgctaaag gaagcactta gggaaatgtg 360
 ttcagtcctt gaggtcatag gaacattara ttatatcaaa ggaaacctgg agccatcagc 420
 taagtggccc ttctgtcctg tagatacata aaaactaat ggctccgcta tgcggtcac 480
 tttctgctat tagatactat gaggcactaa naaaaaacta ctgcctgcat catatctttc 540
 ttcggtttga gataaagaga atgg 564

<210> 1415
 <211> 231
 <212> DNA
 <213> Homo sapien

<400> 1415
 ctgcgcttgg ataacaagta attcaacgca cgcacttaac agaaatgtta aactataaca 60
 agcaccattt gaggattaac aggaacattt ttttgaagat ttcaaacgaa ctgcactttc 120
 agtataattg tacctaaagt atttataaac agctcatcgg agcctctatt tgtcatagac 180
 ttttgagttg attgttggga ccacataata ggaccatttt tttttgtctt t 231

<210> 1416
 <211> 540
 <212> DNA
 <213> Homo sapien

<400> 1416
 cttgatattg gatctgtggt gcagggcaat gtttcaaagt ttagtcacag cttaaaaaaca 60
 ttcagtgtga ctttaatat ataaaatgat ttcccatgcc ataatttyttc tgtctattaa 120
 atgggacaag tgtaaagcat gcaaaagtta gagatctgtt atataacatt tgttttgtga 180

tttgaactcc	taggaaaaat	atgatttcat	aaatgtaaaa	tgacacagaaa	tgcatgcaat	240
acttataaga	cttaaaaaatt	gtgttttacag	atgggtttatt	tgtgcatatt	tttactactg	300
cttttcctaa	atgcatactg	tatataattc	tgtgtatttg	ataaatattt	cttcctacat	360
tatatTTTTA	gaatatttca	gaaatataca	tttatgtctt	tatattgtaa	taaatatgta	420
catacttagg	tatatgcttt	ctctctgctg	tgaaattatt	tttagaatta	taaattcaca	480
tgtcttgtca	gatttcatct	gtataccttc	aaattctctg	aaagtaaaaa	taaaagtttt	540

<210> 1417
 <211> 350
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(350)
 <223> n = A,T,C or G

<400> 1417	
ttnatcatct	aactgtggga tctatttcat ttctggaaat aacacaactt agttctaggg 60
ctttcatgca	catgaaatat aaaacagctt agttgttctg aaaacatgac aatgggttaat 120
tttattcaag	tccaacact gagttcagag cacttctcca taggccccat taatctctcc 180
aggtttctgg	gagtatcatt aaatccctcg gcatccttaa gaagcagggtg cttagcaaac 240
atccagtttc	caaagtgaag tcagaggggc ttgatcctga aagtgtagta ttttcctgcc 300
ttgtcctact	ggtatagctt cttggaccta aaatctctct cctgctgagg 350

<210> 1418
 <211> 425
 <212> DNA
 <213> Homo sapien

<400> 1418	
tgctaggcag	cottatttttc ataaccawt tagggaaagg aaatttagga ttttcaaggc 60
tacattaatt	tttctccat caaatcttga tttgttcttg ataaaaatga gttcttttgg 120
ggaaattctt	tctttagaca ccaacttggg ttttctcatc ttccacagaa taattgaacc 180
cctgacctct	agatgttcaa aattccgctt caagcctctg tcagataaaa ttcaacagca 240
gcgattacta	gacattgcc aagaaggaaa tgtcaaaatt agtgatgagg gaatagctta 300
tcttggttaa	gtgtcagaag gagacttaag aaaagccatt acatttcttc aaagcgctac 360
tcgattaaca	ggtggaaagg agatcacaga gaaagtgatt acagacattg ccgggggtaat 420
accag	

<210> 1419
 <211> 390
 <212> DNA
 <213> Homo sapien

<400> 1419	
aaactcttgc	tattgaattg agatgattaa aatgggtgact taatccgtag ttatttttgc 60
cccactgaaa	ggaaagtgtc ttccagaata atatgaagta tctaaaagtg tcaccttttc 120
ttgcctgata	aacaatttgg gcttcctgtt tgtacaaggg gccatttggc atacctttca 180
cagcttttat	caggccaagt taaaggctga ctacattttt tcatcatgag gaaagcagtt 240
gaaatgaggg	atgagttact gtgcattggg atttttagaac aatttttctt tgacagctct 300
ttttgtgaag	ttaggttctt aaaagtgcc atgatggtca cttaaaatgt gcagtaatat 360
cactgccagg	atcaagcatg aaaggctttt

<210> 1420
 <211> 480
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(480)
 <223> n = A,T,C or G

<400> 1420
 ttgctgaaca atgacatcgt tttctccagg ggttgaaatc catgtccatg gctgacaacc 60
 caacaaggct gggacccaaa ttcgtacaga gatgaggcag agtggagaga aacaactctg 120
 gctgagccag agtctccagc cactacttct tattcctggg ctttagctct tcggctgcat 180
 tacgcaggaa aatgtaattt tttttctggg gattataaaa ttcattgtccc tttgaccagt 240
 cgtagctgga agcgtatgca aatatgtttc cattgygatt gaaacagcaa gctgasatgg 300
 gctgayctaa ctgttccgaa gnttttagtt ttgktctggc atctttgycc cagaagctga 360
 atctaccatc agatcccaca gttgcaaggg tgccatgaac aggatggaac gccgattcca 420
 tttaccgcga taaatgyoct gaggagctga agtggttggt ccattagatc gatgacattt 480

<210> 1421
 <211> 453
 <212> DNA
 <213> Homo sapien

<400> 1421
 aaactgattg aggtcacagt attttattat ttgggggtcct caccacagga aacactgcga 60
 tacaggggca aaagagatgg cagtgccaat taaattaata caacaaaatc aatgcagcac 120
 caaccaagac tgccaggtct ggtgtcatgg gtatgccag agcccaggag ttcagaaggg 180
 ccctaagcct gatttaaatgc tctgctgttg atgtcttgaa attcttaaca atttttgaac 240
 aaggggcctg cgttttcaact tcgcactggg ccttgcaaat tacatagcga gtgtcataa 300
 aagaactcag aaacgtggta cctctcttcc tgggtggatac aaataaagaa atctggatcc 360
 aaagttgaaa gttgctggcg atatcattca agtaggactc taaatagtgg attaagatga 420
 ggggtgggcct ggggtgaagat tctttccagg ttt 453

<210> 1422
 <211> 542
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> n = A,T,C or G

<400> 1422
 ttttcttgac cactatacgg cacaacctag gggstgtawa aaacctascr caatgcagaa 60
 ggggtgaagct tcatgacaat tgggtctcggc aataatttgg gggatgtaac atcaacgaat 120
 cagacaacaa aagcaaggga atacacatgg nactaaatca gtgtgnggaa aaatatccca 180
 aacaggcaaa gcacaacatg gamtagatat atgcacattn atggaccctg naggcakkac 240
 tcacaaacat actacctggg aagcamctgg acctttaagg gatgaggtag attcaacaaa 300
 cagggcancg tatmttccac tgggatatga ttccagcctt aaaaataang aaatcttgaa 360
 aagnactaca ataaggacaa atctcgaaca cattctgtta agtaaaacaa gacaagccaa 420
 aaagggaaaa ctgtataatt acacctatgt aaaatattta gtcaaactca aagaaaccaa 480

gtgtttagt ctcagcaggg caccaagatg naaacagtct ctcatagnct gagatangca 540
tc 542

<210> 1423
<211> 252
<212> DNA
<213> Homo sapien

<400> 1423
ttaatgccaa atggcaaagt tgcacccgtg gaaatgggta aatatcatca ctgtcgggat 60
gaacccctgc acgccctcta tgacaatgtg gagaaactct ttccagggtt tgagatagaa 120
actgtgaaga acaacctcag gatccttttt aataatgctg taaagaaacg tttgatgaca 180
gacagaagga ttggctgcct tttatcaggg ggcttggact ccagcttggg tgctgccact 240
ctgttgaagc ag 252

<210> 1424
<211> 273
<212> DNA
<213> Homo sapien

<400> 1424
tttccactct gcacattgta gagggaacac tctgtaggcc catgggtccc ttactagaga 60
ggttgagtga atttgccttc agttaacatg ggaccttctg tttagcttcc tcttgcttcc 120
caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg 180
ctgctttgtg ctaaaagcat gggaaatgta aaggcagctc ttctctggga aatggatgct 240
attctattct gctgccccta cctgttcctg agg 273

<210> 1425
<211> 618
<212> DNA
<213> Homo sapien

<400> 1425
aaaaaccttg tatagcaaaa taacttaaaa ccctttgtga tatcatctta ccagtttatt 60
tggtaaaaac aaacagttat ttggtatttg tcagaattct tcagtgcctg ctattacagc 120
tattttccaa ttactaattt gattatactc actcaaggca gtgcaagatc ttgaagtact 180
tttttagcagt taagtaatat tgaattgtat tgaatagttt acatagttta ttctagtctt 240
tgaaaattac tgaacatgga caatgtgcat gtcattgaca tctgccttag aacttctggg 300
acaatcctga ttcgagagat tctatcccat tatttacata taccaaaaat actttgttaa 360
tttaatgtgt tggcttccca actcctgaac acgacacaat tttattatta gattttgtat 420
ggtgatttta ggctatgaaa acatgatcat tatatgtata tagatacatt tttatttggt 480
acaaatgttt gagcagctca ctagcccacc cctcctctat tttgggtaag agaatttact 540
acctttttta actatgtagt tgagagcaac atgtattttg ttatttttag aatggtcagt 600
atattgctat aaaatttt 618

<210> 1426
<211> 565
<212> DNA
<213> Homo sapien

<400> 1426
gtggtagaaa gagatgacgg aagcacatta atggaaatag atggcgataa aggcaaaca 60
ggcgtccca cctactacat agatactaag gctctgcgtg ttccgaggga gaatatggag 120
gccatttcac ctctaaaaaa tgggatgggt gaagactggg atagtttcca agctattttg 180

```

gatcatacct acaaaatgca tgtcaaatca gaagccagtc tccatcctgt tctcatgtca 240
gaggcacctg ggaatactag agcaaagaga gagaaactga cagagttaat gtttgaacac 300
tacaacatcc ctgccttctt cctttgcaaa actgcagttt tgacagcatt tgctaattgt 360
cgttctactg ggctgatttt ggacagtga gccactcata ccactgcaat tccagtccac 420
gatggctatg tccttcaaca aggcattgtg aaatcccctc ttgctggaga ctttattact 480
atgcagtgca gagaactctt ccaagaaatg aatattgaat tggttcctcc atatatgatt 540
gcatcaaaag aagctgttcg tgaag 565

```

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<210> 1427
<211> 144
<212> DNA
<213> Homo sapien

```

```

<400> 1427
ccactagtta tttttatgta atcaattacg gggtcattag ttcatatccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc cgccaccgcg gtggagctcc agcttttggt 120
cccttttagtg agggttaatt gcgc 144

```

```

<210> 1428
<211> 214
<212> DNA
<213> Homo sapien

```

```

<400> 1428
ccactagtta ttattatgta atcaattacg gggtcattag ttcatagccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc ccgcctggct gaccgccaa cgacccccgc 120
ccattgacgt caataatgac gtatgttccc atagtaacgc cgccaccgcg gtggagctcc 180
agcttttggt cccttttagtg agggttaatt gcgc 214

```

```

<210> 1429
<211> 253
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(253)
<223> n = A,T,C or G

```

```

<400> 1429
ccactagtcc antttngtgg aattctgaag ccttaattgc ttatatccat gtttctagtg 60
aaatgagagg gtataacaaa aaagagaaca ggaggaaagc ttcgctgtgc ctgaggaaat 120
aatctagtca aggcagcaag tctggatagt gctatagaga tgagatacct gagcagttcc 180
agaggaagag gtggagatca gaggccagtt ttcagtgaac actgtaaaga aaagccagat 240
gatgtgcct gga 253

```

```

<210> 1430
<211> 232
<212> DNA
<213> Homo sapien

```

```

<400> 1430
aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct 60
aaatgtttga tctctgtttg tcattacttt ttcaaaatta tttttttctg taaagtataa 120

```

tatataaaac ttcttgctta aattgaatth ctatattagtg ggtaattgc agtttattaa 180
agggatcatt atcagtaatt tcatagcaac tgttctagtg ttttgtgth tt 232

<210> 1431
<211> 734
<212> DNA
<213> Homo sapien

<400> 1431
cattatacaa cactatattg ccaggtcaaa gagggcaggg acgtaaatgt aactaaaaat 60
gcmaatgtat cccaaagaga taaaacaaat tccatttaca gcatgaaggt ttacaaatgt 120
acacctgtac aaccaaggaa agcatcacta cttaaattagc aaggctthta taataaacat 180
tgaaasaaga thtctthtca aagtgtaaac ttacatctat tactacacac acaatgcata 240
tatttataga aagcaaaaag agctatctga atatgtaatc atgcttaaat gctgagctat 300
caaattcact thtcagtggc ccctthtcat ctctatctgg thtctactth ctgcctctat 360
gaaaaagcaa aataaagctc aacactthct caacatgtct gtaattctat aagcaaaaaca 420
aaatacaaat thtcaactct tctcattgca aaccaaactg aaaagttaat aagtgaactta 480
actthtctat tagtgcaact aattggaagt gtcaccatga thttgtatth aactcttaca 540
acaattacat atgtaagtat atacaatatt tctgtacatt gccagagaca thttagggca 600
gtaattgtat taaaaccaca tctactgtaa ataatgttag gthtctthtca thtcaaacca 660
ctthattctt gcctacttac tctgtattht catgatagth tgtgaattat caaaatacaa 720
cttaactctt taaa 734

<210> 1432
<211> 542
<212> DNA
<213> Homo sapien

<400> 1432
thtaagaaag agctthtgag aaacatgcat actthtctct thtctctat attcaatact 60
catatagcct aaaagatgga aactggthca agaathttaa tgacttgthc cctaaaaagt 120
taatctctc acctthtgta aatatatcaa gtgctthtca taaataaggg caggaaatgc 180
taacttcata agcatagthc tagtcattaa aataathtga tcatctthtca aaathttagt 240
atgatagtaa cacagtaata tggaaaatct caatatactt aacactthct aaacagcaca 300
atgaaatgtt gthcaaggth tgaattaat tgctacagga cctaagcaag thtgtthgct 360
tatctthtgg cthttaaath cthtaagtct aaaatggtga taathtthaga ataaactgac 420
aatgtgggga acaaacttaa attcacaaac actaccata tgctcaaaaa ctctctggga 480
taattagtht ctthattgta actattgatg tactattatt tcatctthtcc attagctcta 540
ct 542

<210> 1433
<211> 175
<212> DNA
<213> Homo sapien

<400> 1433
thaaattgat tcaaaaaaac ttgacacctg tcatgtaggc caaaaaatag tagcgaacta 60
tactaagtgg tatagccac tgtggagtgt ggtctthtth tctthcaaat agcccaagth 120
ggcaaaagth acttaaaaaac ctgccccca aaaagctaac thttggtaga thttt 175

<210> 1434
<211> 90
<212> DNA
<213> Homo sapien

<400> 1434
 ttaatcacta ttgatggaag cttatatattcc ttatgaatat atacatgtat gcatatatac 60
 atctctgtat gaatcactca aagcaatttt 90

<210> 1435
 <211> 153
 <212> DNA
 <213> Homo sapien

<400> 1435
 tttacctttg tgctttgaag gttctacat ttakaaagta aaaagccaac ccacagaatg 60
 gaagaaaaga ggacagactc taacaagcgt tcacaaagat ggagagaaat tgtaaccctc 120
 atatattgct ggtagaattg tagaaagatg cag 153

<210> 1436
 <211> 483
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(483)
 <223> n = A,T,C or G

<400> 1436
 ttttttagttt aaagaagagt tttgccactt aracanggga gctwtgtctg gaaaatacac 60
 tgagttgaaa cacttcaccc ttggaaggat tatataagat gaacagytgt gataaatgtg 120
 tagattagag ggatgtgaat gggcagttag tccagtgcc tcatttaaga ggccaagatc 180
 ctgattcaga ggaggcatcc tttgcccaga gctgcttagc taatctgacc aaatggtggg 240
 aaaaatgtct cacctaacc actattcctt aattatggat tttgtgaaaa acaatagaac 300
 atgttaatga gtaatttata ttagttcgat gtattacaat tttttagctt taaattacag 360
 ytttcttata atgttgaaat gttttagaat cctttgaatc taagtatttg tttctaaat 420
 gaaacatttg tacaacattt gatgttttta cttatgaaat attctcctcc cccaagaaaa 480
 ttt 483

<210> 1437
 <211> 171
 <212> DNA
 <213> Homo sapien

<400> 1437
 ttttgccacc tcaagaagcc attttcttgt ctgtttcctt ctttacctac ccctacaacc 60
 tatgaacaaa taccataact taaaaattta ggtagtctac aactcctaca aattttaagt 120
 tcagagacta cccaaagaac tgtggaagat gcagcaatat aaaagttttt t 171

<210> 1438
 <211> 408
 <212> DNA
 <213> Homo sapien

<400> 1438
 totgagtgga ggtaggctaa caacacattt tgactttstc ctcaaaggat agctttgaaa 60
 aacaagtgtg accaattgtt acaccaaat aaaatggcaa tattaaatcg gtaacaaaac 120

```
<210> 1439
<211> 168
<212> DNA
<213> Homo sapien
```

```
<210> 1440
<211> 307
<212> DNA
<213> Homo sapien
```

```
<210> 1441
<211> 684
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(684)
<223> n = A,T,C or G
```

<210> 1442

```
<211> 166
<212> DNA
<213> Homo sapien
```

```
<210> 1443
<211> 194
<212> DNA
<213> Homo sapien
```

```
<210> 1444
<211> 96
<212> DNA
<213> Homo sapien
```

```
<210> 1445
<211> 365
<212> DNA
<213> Homo sapien
```

```
<210> 1446
<211> 386
<212> DNA
<213> Homo sapien
```

<210>	1451
<211>	106
<212>	DNA

<213> Homo sapien

<400> 1451

aaagatgaca aatactgggtt aattagcaat ttaagaccag agccaaatta toccaagagc	60
atacattctt ttggttttcc taactttgtg aaaaaaattg atgcag	106

<210> 1452

<211> 349

<212> DNA

<213> Homo sapien

<400> 1452

ctgcagatcc tgcggaacgt caccaccac gtttccgtga ccaagcagct cccaacctca	60
gaagccgtgg tgtctgctgt gagcgaggcg gggcgctctg gaataacaga ggcgcaagca	120
cgtgccatcg tgaacagcgc cttgaagctg tattcccaag ataagaccgg gatggtggac	180
tttgctctgg aatctggtgg tggcagcatc ttgagtactc gctgttctga aacttacgaa	240
accaaaccgg cgctgatgag tctgtttggg atcccgctgt ggtacttctc gcagtccccg	300
cgcgtggtca tccagcctga catttaccac ggtaactgct gggcattta	349

<210> 1453

<211> 302

<212> DNA

<213> Homo sapien

<400> 1453

aaaaataatg tgcaagagca tcatgagaaa gaagaggggt gaagagataa tccagaggaa	60
catcaaagt aagagtatac actcaaagac aggtttaaga aagaccagtc agagaagtaa	120
agaaaaaat caagcaagaa taatgttgca aaaattaaca agaaagtgc aagcccagag	180
tggttagcaa tgccaaacta ccatgagtaa gccacataaa acaagaactt tgggttcaac	240
tgctttaaca atcagacctt tagattcaca taacaggagt tacaaaatta agagcctctt	300
tt	302

<210> 1454

<211> 268

<212> DNA

<213> Homo sapien

<400> 1454

caagcgtaaa ccgcgggagc cgagcccagc taggaatgca gacctcctga aaaccaagcc	60
gaggactgcg gggtcgggtg tccacgcaga gtgtcagctt cctctggtgc aaccagcaag	120
tcttccagta tgaatccac agaaaccaag gctgtaaaaa cagaacctga gaagaagtca	180
cagtcaacca agccaaaaag cctacccaag caggcatcag atacaggaag taacgatgct	240
cacaataaaa aagcagtttc cagatcag	268

<210> 1455

<211> 207

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(207)

<223> n = A,T,C or G

<400> 1455
 ctgtcgagag cagccctgcc caagawtgnc ggggtgggggc tggtgccaac gggttcccaa 60
 ggscctttcm actttkgaak ggctggartt cttgggaaac cmaaacsctg actacctgsc 120
 ttttttcttg ggcatygacs tgcttcattt ccaaaratga tggkgcaggt gaccttttcc 180
 atcgtgagct aaaaaaagggt taggagg 207

<210> 1456
 <211> 181
 <212> DNA
 <213> Homo sapien

<400> 1456
 aaatttctgt ctgctaaaat ctatcaaata cattaaggaa aagtccact tggcacatct 60
 cccacaccag atgttaatta ttcatactgc atgactgagg attttgagg cagagagaga 120
 ttcacttgca atatttgga caccaatgga ggtctacgtc aacacagaat ttatacagca 180
 g 181

<210> 1457
 <211> 309
 <212> DNA
 <213> Homo sapien

<400> 1457
 aaaaagwtca gagttgaaat gcctttcaac cattkecttc tgtggtcatt tttcttgctg 60
 cctttttcac ccaagattca gcagtcagat gtttactgca cacctattac ctattatttg 120
 ctgttcttgc atggttcaaa ccaccattct gtagccaccc atcctttgcc ttatctaaca 180
 aacatttttc caggaagggt gaaaaggaag tggtgctctc attgtgtgac tcagtgtctg 240
 tgtccatccc atggaaacat gggcacaaac aagtatttgt ccagcctatt gcaggctttt 300
 cctgacttt 309

<210> 1458
 <211> 117
 <212> DNA
 <213> Homo sapien

<400> 1458
 aaagactatt gagaaatagg aaggatttga gagattattg ggtttcatca kagcagactt 60
 aagtagcctg gttgatttta gatttgtcac agcaaaatca tgcttggatg ctcgagg 117

<210> 1459
 <211> 575
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 1459
 aaagaatgca taccagaaca tttataagca gtggagtgag kthtattaag aatagtacta 60
 ctacaataaa cgctggctaa ataagaagtg cattatgtga agcactatgg gtggtatatg 120
 cttwgmcaca tactctkggt accttgaggy agatmacrca tgkgaaccaa cttcggcata 180
 cattttcagt tgctgcgagg aatcatgtgt ttttaacgaaa tgcgtcagta tgaaaaactt 240

gaaaatattc	atgaatgawg	aacgcmttag	gaaaaaaata	kstattctca	tgcaattatg	300
tacagtctca	ctgtgtarat	ctcaaggcaa	ggtttgctc	ctgtaaacca	gatcaagggtg	360
ctatgagaga	ncgccytgnc	ttattgcatt	tcttttctcc	tmctgcgcca	gcattatatt	420
gctctagnct	ttatttttgt	gtgcacactg	acatgccatt	aaaratgang	ractatctca	480
catgtagaaa	argaaagnmc	ttggankcta	cctcaggtcg	ctaccacgct	aaggggyaat	540
tctgcaggat	atccatcaca	ctggcggcgc	gattg			575

<210> 1460

<211> 444

<212> DNA

<213> Homo sapien

<400> 1460

ctgggggttc	cttccttcac	gttgagaacc	tggagcagag	agtctaccaa	cttaagaaat	60
attagaaaga	gttcagcaaa	cagagtgagc	tgaagtctaa	tcctagaagt	aaatccattc	120
ctacaagtca	tcagcatcac	ttgggagctt	gttagaaagg	caaattcttg	gttcagccta	180
acacctacta	aatcagaaac	tctgggggcg	gagcgcagca	atctgtactt	tcacaagccc	240
tcaggtgat	tctgagcctg	taaaatttga	gaaccagagc	tgtccccag	gagataaatt	300
aacttctact	tttttttgag	ctactgcatt	ttgggatctt	attgttttat	cagcttaaca	360
tgcatcctga	tatgattact	caggtatggt	tcaaccaatg	ttggttaatg	tattatcccc	420
aggaaacttat	tactagagga	gcag				444

<210> 1461

<211> 536

<212> DNA

<213> Homo sapien

<400> 1461

ctgcaaccct	gggactgacc	gggaggtctt	gattattttac	ccmaccacag	gtaggttgtg	60
ttctgaatct	caggttcaca	ggttaagggt	cagcatcctc	atcctccacg	gggttggagt	120
tgttgctggg	gatgaagggt	ttgggtggct	ctgcatagac	tgtgatcgct	gtgactgtgg	180
tcctattgag	gccactggct	gagttatttg	cctggcaggt	atagagtccg	ctgttcttct	240
cagttaggtt	ggagataaag	agctcttggt	tgtgttgctg	gatgttccca	tcaatcagcc	300
aagaatactg	tgcaggtggg	ttagaggctg	catggcagga	gaggctgagg	ttcaccctg	360
gacggtaata	ggtgtatgag	ggggaaatgg	tggggkctc	ygggccatag	aggacattca	420
ggatgactgr	gtcgctgtgs	tyaracttta	atkggttctg	gattccacac	tcatagggtc	480
ctacatcatt	cettgtgaca	ytgartagag	tgagggctct	gttgtcattg	gacagm	536

<210> 1462

<211> 409

<212> DNA

<213> Homo sapien

<400> 1462

ctgakagacc	aggagaagtt	ccagatgcag	agactgtgat	gctcttgact	atggaattat	60
tgcgggccagt	agccaagtta	gagacaaaac	aggcataggt	cccggttatta	tttggcgtga	120
ttttggcgat	aaagagaact	tgtgtgtgtt	gctgcggtat	cccattgata	cgccaagaat	180
actgcgggga	tgggttagag	gccgagtggc	aggagaggtt	gaggttcgct	cccgaagggt	240
aagacgagtc	tgggggggaa	atgatggggg	tgtccggccc	atagaggaca	tccagggtga	300
ctgggtcact	gcggtttgca	ctcactgagt	tctggattcc	acatacatag	gctcttgctg	360
catttcttgt	gacattgaat	agagtgaggg	tcctgttgcc	attggacag		409

<210> 1463

<211> 502

<212> DNA

<213> Homo sapien

<400> 1463

ccttcagcct	ggatccttta	tattaagatc	aatgaggacc	atctctggaa	gatgtctggc	60
atggtacaga	ctgtctgagg	ccractgaac	acaggccctt	accctgattt	tatcagtga	120
aagctatggg	actagtttcc	ttacctctaa	aatggagaga	ataatagaat	cttccgtcta	180
agactkctgt	gagcataagc	cgagaaaatg	gaggtaaact	gcttagccca	atacttggat	240
tatcgtaaat	attcagtaaa	actagccacc	gttgttattg	taattattat	tttgtatttt	300
attatacatt	tcatggaaac	ttaaaagtta	gtgataatca	cctcattttc	agttgccttg	360
ctttcttcct	gtaaatttta	ttctctctta	tcttgctcac	tgtctttaag	cattgccagt	420
ttagtataat	tattttcccc	tatcctctat	aaaatcatat	acaggatgga	tttgttgatc	480
tcagacatgt	tcactgagtt	tt				502

<210> 1464

<211> 294

<212> DNA

<213> Homo sapien

<400> 1464

ggcggctcgg	actgagcagg	actttcctta	tcccagttga	ttgtgcagaa	tacactgcct	60
gtcgcctgtc	ttctattcac	catggcttct	tctgatatcc	aggtgaaaga	actggagaag	120
cgtgcctcag	gccaggcttt	tgagctgatt	ctcagccctc	ggtcaaaaga	atctgttcca	180
gaattcccc	tttcccctcc	aaagaagaag	gatctttccc	tggaggaaat	tcagaagaaa	240
ttagaagctg	cagaagaaag	acgcaagtcc	catgaagctg	aggtcttgaa	gcag	294

<210> 1465

<211> 249

<212> DNA

<213> Homo sapien

<400> 1465

gtgcaggtct	tcagccgtga	cccggtagcc	cagctctaag	ggaggtggca	gcatcaaagg	60
ctccccctgc	ctgcgtggca	gcaggggaat	cttgctgcta	cggggcctag	agtcatggga	120
tctgggggag	ccaccctgg	gggcaagtgt	ctgccctgg	gctgtacctg	ccttgttttc	180
acagcgggtga	cccgaagaga	cagcctgagg	tccgtcctca	ctcactgtgt	ttgaggaact	240
gtggggccag						249

<210> 1466

<211> 203

<212> DNA

<213> Homo sapien

<400> 1466

cctcagacac	cttttaattg	cttaggagaa	accattgtct	ctgactgcag	gtttgaataa	60
gttgaagacc	agagaaaagt	acacactggg	ctacaaagga	atttggagat	agccaaggaa	120
caggatttcc	cctagcaagc	taccttctgt	tcaaatcatg	aaaaagact	atttcccctt	180
agaataggga	agcttgctat	ttt				203

<210> 1467

<211> 223

<212> DNA

<213> Homo sapien

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<210> 1468
<211> 177
<212> DNA
<213> Homo sapien
```

```
<210> 1469
<211> 185
<212> DNA
<213> Homo sapien
```

```
<210> 1470
<211> 482
<212> DNA
<213> Homo sapien
```

```
<210> 1471
<211> 257
<212> DNA
<213> Homo sapien
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<400> 1471							
tgtgtgaact	tagactkwtc	aattcaacat	ttttaacrt	tkaaatacta	ttgtgaattc		60
aatgaagtgt	tottatgcc	ctaacttta	cctattccct	tactcamgga	tgtaggysaa		120
rgatggtaac	aatacactat	tkggcaagat	aatgtmctga	catmtytagc	aatstttttt		180
gmcagtggct	tkcaactgma	mwkaaskkam	mkaattatgy	tktctgtwsgt	arattattat		240
tctgwywyta	atcattt						257

<210> 1472
 <211> 342
 <212> DNA
 <213> Homo sapien

<400> 1472
 cttttgcgag cctctgccgc agcagctccg ttttcacgcg catctcgttt ttgtgtgtgt 60
 gtttttgttt tgtttttgtt tttgtttttt tgtttcagag aattggaagc taaagctacc 120
 aaagacgtag aaagaaatct tagcaggtaa gatgggcgag ctttccgtct cccgccccac 180
 gataatcgta tattttctact ccgattcgcc ctttctgggt tgagaagtgc ccccgtagaca 240
 ttttcttccg caccgcggaga gcagacattc gggagaagcg gcctggggga atactggagg 300
 gattgcgggg agatgcgtaa ttacgcgtgt gtttctttct tt 342

<210> 1473
 <211> 526
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(526)
 <223> n = A,T,C or G

<400> 1473
 ctgctacatg ttttcacagc ccaggaattc aaggcccagg tggcagcagg aagaaacagt 60
 ggaaaagcaa ggggaagaga aaagagaaaa aggaggggga aagtctgcat aactgtcata 120
 acctctgctt ctctgctct gtaacaaacc cacaaccagg aagagtcag gtctggaaca 180
 atcatgggac cccaaacgcc tgtaggtttt ttaccaccaa acatcaccca tggctgctct 240
 aagctgtcat tttgttccca cagttaccta gcatcacgga tgcccaattt atggcccagg 300
 aaggctgacc caggctaagg gcagtctcac tccacagcca tgcaatggac agtctgaatg 360
 tttcctaccc cagaccttta ctgacctcta ctatttcctc ctctgatata aaagaaaaac 420
 acttttaatt ttctnctgca tnctacatct cctnctaaaa antttggcct aattgncatc 480
 aaaaccttgt aggaatctga aatttttggtt cttctgaatc ttancc 526

<210> 1474
 <211> 187
 <212> DNA
 <213> Homo sapien

<400> 1474
 aaacttgttt gctgtgaaca attgtcgaaa agagtcttcc aattaatgct ttttataatct 60
 aggtacctg ttggttagat tcaaggcccc gagctgttac cattcacaat aaaagcttaa 120
 acacattgtc caaaaaaaaaa aaaaaaaaaa gccccykccc sgggggscck ttmaaggggr 180
 aawtccc 187

<210> 1475
 <211> 474
 <212> DNA
 <213> Homo sapien

<400> 1475
 ccattctott tatctcaaac cgaagaaaga tatgatgcag gcagtagttt tttcttagtg 60
 cctcatagta tctaatagca gaaagtgagc cgcatagcgg agcacattag tttttatgta 120

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tctacaggac agaagggcca cttagctgat ggctccaggt ttcctttgat ataataat 180
gttcctatga cctcaaagac tgaacacatt tccctaagtg cttcacttag caccaggag 240
caacttggag tcttcgcaga ataaaatcca ttattttaat gtagattaat acatgggtac 300
ttatatctat gcaggtctat aatagtttat tcctatgtaa gctttattaa aagcattggg 360
atgttttaca taaaaagtta atgtgaatat tagaaaaaaa ggacaatatt aaagcagttt 420
gtagaatttg tccccccccc aaaatgaatg aaatacacia tagatgtaca aaaa 474

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<210> 1476
<211> 401
<212> DNA
<213> Homo sapien

```

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<400> 1476
ccttggggac agggcaggag gacgcacacc tcatggacag ggcgggccagg gctgagatac 60
cagcggggtg ggtattcccg gcgggtgctt acctccaaca gtgtcttgtc agcaaaggcc 120
atgatgccct caaagatgat gacgtttgca ccatacagtg ttttctgtga agaaacccag 180
gagttgcgga gcctggctca tgtgcctgca gccccccgag gccccctctg cagggccctg 240
gcctaccag tccttcttcc ggctgtgcgt ggtgaagtca taaatgggca ccttgacact 300
cttccccctg ttcagcttct tgagggtgga aatgatgaag gtcgaagtca aaaggcatct 360
gggggtgggtc gaaagtttga aagtttgctt gtggtgccgg g 401

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<210> 1477
<211> 753
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(753)
<223> n = A,T,C or G

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<400> 1477
cagcatgctt aaaaagttgg aggaattgga acagaaatac acctwmcaac ctkrmcctnt 60
taccaaaaac aaacnagtgg tatkggamcc sacctttmrk ctttttcmac macttatttc 120
aaagytsrtt kgtggkgaaa agmcacacyk snatscywcc rcacccttgw aggcygttg 180
acttrataac akknctgctn atnwnrtgta ggggtgatay tgatgrtgaa attgcactta 240
gctgggttat aattkgaaag tcaaagtctt atttgataaa gatgtgaatg agagaaatac 300
agtaaaagga tttaggaagt tcaacatttt gggcacgcac acaaaaagtga tgaacatgga 360
ggagtccacc aatggcagtc tggcggctga atttcggcac ctgcaattga aagaacagaa 420
aaatgctggc accagaacga atgaggggtcc tctcatcggt actgaagagc ttcactccct 480
tagttttgaa acccaattgt gccagcctgg tttggtaatt gacctcgaga cgacctctct 540
gcccgttgtg gtgatctcca acgtcagcca gctcccagac ggttgggcct ccataccttg 600
gtacaacatg ctggtggccg gaaccagga acctgtcctt ctctctgact cccccttg 660
cacgatgggc tcancctttt anaagtgctt gagttggcag tttttcttnt tgtcacccaa 720
aagaaggtct caatgngggg acccanaacc ttt 753

```

```

<210> 1478
<211> 421
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(421)

```

<223> n = A,T,C or G

<400> 1478
 aaacctatac tcactttccc aaattgaatc actgctcaca ctgctgatga tttagagtgc 60
 tgtccggtgg agatcccacc cgaacgtctt atctaatacat gaaactccct agttcccttca 120
 tgtaacttcc ctgaaaaatc taagtgtttc ataaatttga gagtctgtga cccacttacc 180
 ttgcatctca caggtagaca gtatataact aacaaccaa gactacatat tgctactgac 240
 acacacgtta taatcattta tcatatatac acatacatgc atacactctc aaagcaaata 300
 atttttcaact tcaaaacagt attgacttgt ataccttgta atttgaaata ttttctttgt 360
 taaaatagaa tggatatcaat aaatagacca ttaaccaana aaaaaaaga aaaaaaaaaa 420
 a 421

<210> 1479
 <211> 214
 <212> DNA
 <213> Homo sapien

<400> 1479
 ggaaatatat aataaaaaatg ttaaccagaa ggtaaacttg agtgtaattg tcagacagac 60
 aactttttcc accagtgtat ttgaatttta gaccagtgc cctgttttgt ggcattcatg 120
 caaaacatgc tgagggtttt gttcatctgg tcatcgtgtc caaatttcag tcatgtttgt 180
 agcaagattt tggaagcatt catatttcc tttt 214

<210> 1480
 <211> 434
 <212> DNA
 <213> Homo sapien

<400> 1480
 ggaggccgct tacgtaaagc ccaggggaca ttcaacagcc cctactaccc aggccactac 60
 ccaccaaca ttgactgcac atggaacatt gaggtgcca acaaccagca tgtgaagggtg 120
 cgcttcaa at tcttctacct gctggagccc ggcggtgctg cgggcacctg cccaaggac 180
 tacgtggaga tcaatgggga gaaataactgc ggagagaggt cccagttcgt cgtcaccagc 240
 aacagcaaca agatcacagt tcgcttccac tcagatcagt cctacaccga caccggcttc 300
 ttagctgaat acctctccta cgactccagt gaccatgcc cggggcagtt cacgtgccgc 360
 acggggcggt gtatccggaa ggagctgcgc tgtgatggct gggccgactg caccgaccac 420
 agcgatgagc tcaa 434

<210> 1481
 <211> 131
 <212> DNA
 <213> Homo sapien

<400> 1481
 aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttgata 60
 tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
 tttagatatt t 131

<210> 1482
 <211> 324
 <212> DNA
 <213> Homo sapien

<400> 1482


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aaaaatatgt ggattgtgct tgacgtagca aatttcttct atctgcaaaa gcccttttct    60
cactacctca tatacacccc ttgatatgg caccatgttt gaaattggag cgtacacaca    120
tagtcattgg atttactggg attctctttg tgacaagtag gagccaaggg gtcatgcagg    180
gaagcgaacg tgcccgataa ggatttcctt gttgccagag tgtttagcag                230

```

<210> 1487

<211> 273

<212> DNA

<213> Homo sapien

<400> 1487

```

tttccactct gcacattgta gagggaacac tctgtaggcc catgggtccc ttactagaga    60
ggttgagtga atttgccttc agttaacatg ggaccttctg tttagcttcc tcttgcttcc    120
caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg    180
ctgctttgtg ctaaaagcat gggaaatgta aaggcagctt ttctctggga aatggatgct    240
attctattct gctgcccccta cctgttctgt agg                273

```

<210> 1488

<211> 452

<212> DNA

<213> Homo sapien

<400> 1488

```

cctactgtgc cccgtaggca aagctctgaa gatttcatcg aaaaatctgc tgtcaatacg    60
tagaaaagtt cactatttca gtttcacagc aaaaaaggtg gggggagggg ggaacccaat    120
agatatttaa gtagatgctt tccaatccca ttcactgcat taattagctt acctcttata    180
cagtacaaca taaacattgc atgtttattt gtatgtaaca cctataagca tatagcatct    240
acattttaag tgtatttaca aattcaacaa aatatctaca tataaaaagc tttacttaaa    300
attaaacttg atgcaagtta tgagaaacca atttattggc aaatgaaact gagcattcct    360
tcaaccatag gttgttatag attttcatat ttggaggtaa cccatttgat agatattggt    420
tatgaatacg atagaatata tatttacttt tt                452

```

<210> 1489

<211> 653

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(653)

<223> n = A,T,C or G

<400> 1489

```

cctgctcttc tcttcaaagc acttagtaca cagggktaca ggtgctacca cttggattcc    60
ccagagcatg gaagtctgat cccagggtga acatatttct tctgaaaatg agcatcttgg    120
ttctatagat tcttatcttg ctacaggac ttgctccaaa actgaatttt cagaagcagc    180
atgataggga aagagatatt caactctgac agacaaggta gatcgaagca cccacactaa    240
tttctttcag gtgcccocatg aggaagactg catcatgtca cttccactca cttggggaga    300
ttctaggact gagacacaaa gttccccag agtttctgct aatggaaggg gaaacagggtg    360
gtttggaatg gaaagggtgga accagggtcca caaatgtgc tccctctgct caagactgac    420
tttggtcttc ccagggtcccc acttgacttt catataagct gagatgacct attacgggaa    480
aaattaggga acaccttaata aaaccaactt tcaaaaactc ctatttatca tggatgtgcc    540
acgatcgaga gaatcnaaca cnaactgnct gtnagagagg ccttcattnt gnetcatctt    600
gagctaaaat cctgrcttgg gatgccagaa ancatgnccc tctntcgggt ttg                653

```

<210> 1490
 <211> 363
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(363)
 <223> n = A,T,C or G

<400> 1490
 taacctgaca aaataaaaact tagtaaaatc takaactgtt tcttggccta cttgagagga 60
 acttccatat ttccacagcc atctccgaaa gcagcagttg ctgtaaatta actgagactt 120
 ggaaatgggtg cagactgtct tggtagagct gttcttatag cacaatttta tctggaaaat 180
 aaacttgtaa atgcgtgctg tatattaata catgtgtgcc catatttatt tttattatct 240
 cctgccagtc tttgctcaat gggagatgac agaccaactt ctcaacgtga tttccccatt 300
 tcattgaatg agatttataat gccacttatg aaaaaaata ctgctgngaa agaaatgtac 360
 ttt 363

<210> 1491
 <211> 163
 <212> DNA
 <213> Homo sapien

<400> 1491
 taatcagccc ctaattttctc catgtttaca cttcaatctg caggcttctt aaagtgcacag 60
 tatcccttaa cctgccacca gtgtccaccc tccggccccc gtcttgtaaa aaggggagga 120
 gaattagcca aacctgtaa gcttttaaga aaaacaaagt ttt 163

<210> 1492
 <211> 184
 <212> DNA
 <213> Homo sapien

<400> 1492
 yattccccag gggaaaaatt gaaagtcaaa ctattcacca agagaatgca ttgtctttgc 60
 aaatgagcct aagaatcaga ctttttataa atacatgttc aagtttcttg tggttctaaa 120
 tggacactga gaactgaaac tgtctacacc aagttttacaa tctatattaa ctatcattwt 180
 acag 184

<210> 1493
 <211> 273
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> n = A,T,C or G

<400> 1493
 aggtaawttg tgatatttag tgcacattta cgtgtaggnc crtcttkaat ggtaaagaca 60
 gatacaagcc tatggcacac ttctccaaag caagctatac ttgagagcca attcccaaat 120

aagacagcag agatctgatt aaatgcaact gtgcaaacat tcaacagaca tgttgaatgt 180
aagacaaatt atgattactg ataatatgca aatgtggtct ataaatttat gaatgtgact 240
tccaagggga atatggtatg gaagcccatt ttt 273

<210> 1494
<211> 343
<212> DNA
<213> Homo sapien

<400> 1494
ttggaaaagcc tatcactttc tctcttcatt ctccagcccc cacaccaagc acacagagct 60
tttcagtgtc ttactcttaa tggagaacat aaccagggat tatcaggat tccaacatga 120
aaaagaaagt ccaatagaaa caagcaggat aatcaaacca ggaggaagca gagactatat 180
agagaaagaa aaaaagacac atgggaataa cggcaataat actgacaata cacctcacca 240
taaacttatc agaatgaatt tgttggagaa atatatggag gggagggtact tgtgtgtgtg 300
cacaggcact catgtacacg tgtgtatgtg tatgtttttt taa 343

<210> 1495
<211> 378
<212> DNA
<213> Homo sapien

<400> 1495
tagcattctt ccagccactc tggcgctact atgtgcttca cgacagaaat cgccgtcagg 60
aacttcacgg tgcgagtcac tttgctggca atgaggtgtg tgcacttctg tgcagactcc 120
gcaacctctc caccaagaat gtagagcttc ttaatatact gttgaacctg gacaggctcg 180
aatccagtga aaagcacaaa aggggtcaat tctggagtta gcttttttagt gggagggtgt 240
acgtcttcaa ttctggctct tttggaagaa ggctggacat tagctacttc attctgtttc 300
agtttgggag gtagtcttat actcatcaac aactctgcag acacttttaa gggaactctc 360
caagcatcta aaagattt 378

<210> 1496
<211> 181
<212> DNA
<213> Homo sapien

<400> 1496
tggagaagga agttttcctg aagagccaga atccttgcta agtcatttag atccaactga 60
ccatctttat ttctgtcaaa aatcttcac atggtgccag tgtattcttc cagtttagcc 120
tcagaaatgg cttttttgtg gtgaagaaag aggtctcgga ggaagttgcg gagctcagca 180
g 181

<210> 1497
<211> 373
<212> DNA
<213> Homo sapien

<400> 1497
tggaagctga tccacottga gatcaagccg gccatccgga accagatcat ccgcgagctg 60
caggtcctgc acgaatgcaa ctgcgcgtac atcgtgggct tctacggggc cttctacagt 120
gacggggaga tcagcatttg catggaacac atggacggcg gctccctgga ccagggtgtg 180
aaagaggcca agaggattcc cgaggagatc ctggggaaag tcagcatcgc gggtctcccg 240
ggcttggcgt acctccgaga gaagcaccag atcatgcacc gagatgtgaa gccctccaac 300
atcctcgtga actctagagg ggagatcaag ctgtgtgact tcgggggtgag cggccagctc 360

atcgactcca tgg

<210> 1498

<400> 1498

<210> 1499

<400> 1499

<210> 1500

<400> 1500

<210> 1501

<400> 1501

atgcctgtgg gtgagttgag caacgtgatg aggtgttaac ttcctacagg gaggggctca 480
aatattgccc aacagtggta tggccactg cctgggggtg tgggtggaag gctggcagga 540
caaggagac cacgtgg 557

<210> 1502

<211> 249

<212> DNA

<213> Homo sapien

<400> 1502

cctgcgggga ggcgcgtgc aagaacctgc cgggtccta ctctgcctc tgtgacgagg 60
gctttgcgta cagctcccag gagaaggctt gccgagatgt ggacgagtgt ctgcagggcc 120
gctgtgagca ggtctgcgtg aactccccag ggagctacac ctgccactgt gacgggcgtg 180
ggggcctcaa gctgtcccag gacatggaca cctgtgagga catcttgccg tgcgtgccct 240
tcagcgtgg 249

<210> 1503

<211> 302

<212> DNA

<213> Homo sapien

<400> 1503

ccaggacctc ttttgggcat ttcttcctaa gtggaataca caacagataa gggagtaggg 60
gaggaatac agggaaagcta ctctttccag ctcagaagga gttgatgaag cccatataatg 120
cattcaagaa gcccatggga tcctctagct gtggatagtg gctaattgtg tcatccagaa 180
tcgacactgt ggaccgcggc agcgttttcc tgtacagctc caaaaactct ggatagggat 240
ttacaggatc caatggccca tagataaaat gaatggggat agttacagag gcaagagctc 300
cc 302

<210> 1504

<211> 430

<212> DNA

<213> Homo sapien

<400> 1504

ccacgatatc aactatattg ctttgtcagg tgttctctca aaaattggca gaagtggatga 60
gaatccgtat gccccgctga atctcctggc tgactttgct ggtgggtggc ttatgtgtgc 120
actgggcatt ataattggctc tttttgaccg cacacgcact ggcaagggtc aggtcattga 180
tgcaaataatg gtggaaggaa cagcatattt aagttctttt ctgtggaaaa ctcaaaaatt 240
gagtctgtgg gaagcacctc gaggacagaa catgtttgat ggtggagcac ctttctatac 300
gacttacagg acagcagatg gggaattcat ggctgttggg gcaatagaac cccagttcta 360
cgagctgctg atcaaaggac ttggactaaa gtctgatgaa cttcccaatc agatgagcat 420
ggatgattgg 430

<210> 1505

<211> 164

<212> DNA

<213> Homo sapien

<400> 1505

ccagtcacct tcaccttcta actaactagc ctccggatga ggtggctgcc accaggcccc 60
aatgatcccc aggagcccag cttccaaacc ccaacatoga atcaaacatc tccatcccca 120
agtgcagtaa cacacaaaaa ccaaactc tgccctggga aagg 164

<210> 1506
 <211> 189
 <212> DNA
 <213> Homo sapien

<400> 1506
 aaaagtcata aggggttttat tttgtatcat caaaatattc tataaggtcc caaatactct 60
 ttttcaaccc atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120
 ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
 gaacaccag 189

<210> 1507
 <211> 268
 <212> DNA
 <213> Homo sapien

<400> 1507
 ctgcacagag gggcacggaa ctccaaatcc tggaatgcgg gtcaataatg tgaattctgg 60
 ccctgaccgc cagacacaca gcaagcctga gtcattctgcc gtcaccatgt cagccacaca 120
 atcctgtccc tgggcaggct cggtggcaat gtctgtgatt ggcattctgt gcccagccag 180
 ctctctgctc agtacaatgt tgggaccctt tgctgggatg tcaaacacca gcacccggcc 240
 tgaccacgtt cccacacaga tgaagtgg 268

<210> 1508
 <211> 159
 <212> DNA
 <213> Homo sapien

<400> 1508
 aaagatggca aggcaataaa tgtgttcgta agtgccaacc gactaattca tcaaaccaac 60
 ttaatacttc agaccttcaa aactgtggcc tgaaagttgt atatgttaag agatgtactt 120
 ctcaagtggca gtattgaact gcctttatct gttaaatttt 159

<210> 1509
 <211> 234
 <212> DNA
 <213> Homo sapien

<400> 1509
 ccattgtgga gtacattatg aacacaaatgt gcttgykaag tcttctctct cattttcaga 60
 cagcaattgt taagagtcac acacacgtcc cagacctaaag cagcaactcc agtgaatggg 120
 actcagacac actcagggga cagcacagaa cttgattctt ctttgtctgt tgcccaaaga 180
 acctgttctt tgagtctggt ccaggtgact tgtaatgata cctcttacgg tttt 234

<210> 1510
 <211> 437
 <212> DNA
 <213> Homo sapien

<400> 1510
 aaagcagtac atcttaatat gaagacagga atttctatga tgcttacgaa cattagactc 60
 aacatttttg cagccccctt tcttgggtcta cattcacaca aacatgagac acagtcccaa 120
 gggagaaaca gatgctggag gagcatttag ggccagagtg gaggcacaga ggaagctggg 180
 atttttcaac taccocctcc ttgggttactc ctgggattcc cttaggattt cacggcacia 240

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ccagcgaaga gtttgetcag attcacttcg gagtagccac ttcgggacaa gaattgctct 300
gctgtgttct tgagttttct gtagtcctgc agaactttgg gggtaaaaaa ttgcttcttc 360
aatttatctt tctcatgac ggtagtaagt ttctccagtg cacactccgc atcaaaaatg 420
taccggtaaa agcacag 437

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<210> 1511
<211> 94
<212> DNA
<213> Homo sapien

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<400> 1511
tgtgaagatg gagtctgagg ggggtgcaga tgactctgct gaggaggggg acctactgga 60
tgatgatgat aatgaagatc ggggggatga ccag 94

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<210> 1512
<211> 493
<212> DNA
<213> Homo sapien

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<400> 1512
aaaaatatgc attacaactg gagttttcca ctgagaataa gagtttggtt ttgacctcmc 60
ataaatccaa gggttcttga aaaaaaagtt aatataaatt ctcaataact atatcattaa 120
taccttatgt atacatagga gtttatataa tgcatttaag taacaaagaa tgtaacattt 180
attagccacc aagtaattag gagatagcat caattatatt gaaagaagat gagtttagat 240
gcttatagtc aaggagggtta attgaaattg aaagctattg taggtgggta ctactattat 300
tatcaaacct gaaagttgga acatgtgaac ttgatccttt gcacacataa aagttcacia 360
agctgctttt aatttgcctt tgttctgtag tactgcttgg tgaatcatgc actagtttgt 420
tgtaaaattc atgtaaactt ttatgtatac aaatgtcaga tcaagcacag gttttattaa 480
ttatatatat ttt 493

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<210> 1513
<211> 510
<212> DNA
<213> Homo sapien

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<400> 1513
aaatgaggat tattgatagt actcttggtt tttataccat tcagatcact gaatttataa 60
agtaaccatc tagtacttga aaaagtaaag tgttctgcca gatcttaggt atagaggacc 120
ctaacacagt atatcccaag tgcactttct aatgtttctg ggtcctgaag aattaagata 180
caaattaatt ttactccata aacagactgt taattatagg agccttaatt tttttttcat 240
agagatttgt ctaattgcat ctcaaaaatta ttctgccttc cttaatttgg gaaggtttgt 300
gtttttctctg gaatggtaca tgtcttccat gtatcttttg aactggcaat tgtctattta 360
tcttttattt ttttaagtca gtatggtcta aactggcat gttcagagcc acattatttc 420
tagtccaaaa ttacaagtaa tcaagggcca ttatgggtta ggcattaatg tttctatctg 480
attttgtgca aaagcttcaa attaaaacag 510

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<210> 1514
<211> 511
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(511)

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<223> n = A,T,C or G

<400> 1514
 ctggagatca ggaatagaac ctttccaaga tatkataata ttttctttat aggaacactg 60
 agtaatggca agaataatatt gagcttttcc atgggtaaga gcgatatgtct cagaggctgg 120
 agaaaatggt cattctgctc agtgatccag gagtggtgagg acagtagctt cctttccacg 180
 tccacaagac aatgacagat gtgtttcctt ctttgccctt tctagggatc tttctaggga 240
 tgttgattct ctcacaatat ttcaatgtcc catttctgtg tttcttctcc ctccaggggc 300
 tgatttacga ttacatgagt cttgtcacia taatttcttc cttaacatc aaggacaagt 360
 tgatcactga gataagagct gatagttcca tttttattca gtctccactt ctgcctgaat 420
 tgcccatgtt cagtccatag agctacttta gctccagggt tgggtcccgc cnccatcaca 480
 tcaagaactg gtttccactg gccttggatt a 511

<210> 1515

<211> 176

<212> DNA

<213> Homo sapien

<400> 1515
 aaaggggaag gkgaractta aaagtattcc caactagatt atctacacca atacattgga 60
 actctatatt ttgttttcat tttgtcttaa aaaaatgaaa tagcaacgct ctatcagtca 120
 cacagaggac atgcarattt agcagtattg atattatact ctatcttgtt ggattt 176

<210> 1516

<211> 309

<212> DNA

<213> Homo sapien

<400> 1516
 ctggggaaaa ccgtgcatta cctgcccac cgtttcatcg accagctcag caaccgcgtg 60
 aaggacctga tggtcataaa ccgctccacc accgagctgc ccctcaccgt gtcctacgac 120
 aaggtctcac tggggcggtc gcgcttctgg atccacatgc aggacaccgt gtactccctg 180
 cagcagttcg ggttttcaga gaaagatgct gatgagggtga aaggaatttt tgtagatacc 240
 aacttatact tcctggcgct gaccttcttt gtgcgcagct tccatcttct ctttgatttc 300
 ctggccttt 309

<210> 1517

<211> 182

<212> DNA

<213> Homo sapien

<400> 1517
 ccaacatcta atttttttac tttttaatta tagctgttgt gactgatgtg agatggcatc 60
 ttactgtggt ttttgcttgc atttatttat ttgatgatta gtaaggatga gtgttttttc 120
 atatacttga gtgtcttctt ttgagaaaat atctgttcat gtcccttggc ttttcttgat 180
 tt 182

<210> 1518

<211> 548

<212> DNA

<213> Homo sapien

<400> 1518
 cctgagggag agggaaaagc ggatacccac ctgtgtcgct gtttgcggtgc caagtccagg 60

aacagtccat	acagccctgc	tgcattccac	gacgctgtca	caaagcagga	gttcatccga	120
ggccaagggtg	ttgtcatgag	aatattcggt	aaagtaggga	cgctgacttt	gttcttgggc	180
agattctctt	cctgtggagt	atccagcctg	tttgccctagt	tttcctgttc	ttctgggggc	240
tgatctctat	ctgttttact	gcagtccagt	taccaaagtg	gtataagtaa	aattgaaaga	300
attctaaata	cctttttccc	ccacgttage	tgcctcacgt	taatgtggtc	ttacgggtctg	360
caaataagtg	ttttgatgat	ttggcgactg	cagttaccca	tactagctct	cctaccactc	420
actactgaca	gttaattatt	atcgaatata	cacccaccca	gggtgagtta	taagttatac	480
caggtgtttt	ggtaataaat	actaatgcaa	ttaattttact	ggttactctc	tcattcttaaa	540
gtaatcag						548

<210> 1519

<211> 491

<212> DNA

<213> Homo sapien

<400> 1519

ctgggtgaagg	acggcttccct	ggtggaagtg	tcagagagct	cccggaagct	gcggcacgtc	60
ttctctttta	cagatgtcct	actgtgtgcc	aagctgaaga	agacctctgc	agggaagcac	120
cagcagtatg	actgtaagtg	gtacatcccc	ctggccgacc	tggtgtttcc	atcccccgag	180
gaatctgagg	ccagccccc	ggtgcacccc	ttcccagacc	atgagctgga	ggacatgaag	240
atgaagatct	ctgccctcaa	gagtgaatc	cagaaggaga	aagccaacaa	aggccagagc	300
cgggccatcg	agcgcctgaa	gaagaagatg	tttgagaatg	agttcctgct	gctgctcaac	360
tccccacaa	tcccgttcag	gatccacaat	cggaatggaa	agagttacct	gttcctactt	420
gtcctcggac	tacgagaggt	cagagtggga	gagaagcaat	ttcagaaaact	acagaagaaa	480
ggatcttcag	g					491

<210> 1520

<211> 169

<212> DNA

<213> Homo sapien

<400> 1520

ctggtactgt	cgattttggaa	agctggctgg	aaaaaactta	ttcatgaagg	ggctgatggg	60
gtgggacagg	gccaggattc	ccagcacgaa	gaaatacatg	gacagcagga	ggttgatgta	120
ctcctgggag	aatattttga	aaaagaggta	gagccccaag	agtgtgcag		169

<210> 1521

<211> 293

<212> DNA

<213> Homo sapien

<400> 1521

aggacgacgc	tgtergargc	agggagagca	aattaccaca	gcttcttggc	ccagttctgc	60
ccttctttgc	tttgggattg	cactgggcca	tcagctcatg	ccaggctatg	ggggcagcca	120
gtttgcattg	ctccccagac	tgaacagaaa	cctggccgcc	ggatgggacc	tcctttggca	180
cagacttgac	tgtgtaactg	cataaactgc	agtagcatca	ttgccctaga	tgccccagga	240
gacctggcac	catgaggatt	acagacagtg	gaatcttact	gtcatctgga	cag	293

<210> 1522

<211> 386

<212> DNA

<213> Homo sapien

<400> 1522

ccacgtggga	ctttgaagac	agcacaacac	agtccttccg	ctggcatccg	ctccgggcca	60
aggcggagaa	atacgaagac	agcgttcctc	agagtaatgg	agagctcaca	gtccgggcta	120
agctggttct	cccttcacgg	cccagaaaac	tccaagaggc	tcaagaaggg	acagatcagc	180
catcacttca	tgggtcaactt	tgtttggtag	tgctaggagc	caagaattta	cctgtgcggc	240
cagatggcac	cttgaactca	tttgtttaagg	gctgtctcac	tctgccagac	caacaaaaac	300
tgagactgaa	gtcgccagtc	ctgaggaagc	aggcttgccc	ccagtggaaa	cactcatttg	360
tcttcagtgg	cgtaacccca	gctcag				386

<210> 1523

<211> 178

<212> DNA

<213> Homo sapien

<400> 1523

aaaaagccta	tcccatactg	aattgtggga	acctatgaag	tgtctcttaa	tgtcaattaa	60
aagtaacagt	ggctgcagat	attgatttct	gaaagtacat	gagaatttgt	ctctaactat	120
ggttgaaaca	acaaaaccaa	atctgaatca	ggtagaggtc	taccagacac	aaactctg	178

<210> 1524

<211> 319

<212> DNA

<213> Homo sapien

<400> 1524

wycacagcwg	aaatggggca	ctgaagtgtg	gagscacaka	atgcggggagg	gcagaaccac	60
agacaggagg	ctgagattga	cctcctgagt	gcaagctggt	ctccccttca	cctcctgcac	120
cctacgcaga	tgggtgcttac	cataggattg	ccgtaaaaca	gagacacgca	ccagcgagaa	180
acttttagccc	ttagtatccc	atcctcagga	cagaatcact	cttaaacaatg	ttgaaatata	240
tctgcttaga	gcttttctat	gtgtctatat	aatgtatgca	taatatacaa	ttagaagcat	300
gtgattttat	aacattttt					319

<210> 1525

<211> 467

<212> DNA

<213> Homo sapien

<400> 1525

ccagactaga	cagagatcag	gtcatcaggg	gagcttccga	gcttcagcaa	agccacacagg	60
tagctctgcg	aactcagaat	gctaccctac	cttccctgca	ggccgctgtt	catgtctgga	120
ctcctggggg	cgctatttaa	tgttttacccc	catctccagt	gccccctcca	aggctgtgca	180
gtgtcttggg	gctctcaggg	ccaacatoga	agagatgggg	gccacctctt	aacacctggc	240
aacagtctcc	cctcatcctg	attcctgaca	acagacaaaa	caccggtttc	tagggtttat	300
ctgtttgttt	tttgagttga	gggttcctca	gggccttggc	attgctagtg	atggtcccct	360
ttgctgtgtg	agaacccccct	caaccccttc	ctcctccctc	tggggatgaa	gtgggagtat	420
ttggctcccc	atttttgaca	aaagggctca	gtgcagggag	gtggagg		467

<210> 1526

<211> 439

<212> DNA

<213> Homo sapien

<400> 1526

aaactgttta	ctggagaaaa	tcctcgctca	tgtccattta	ttgttttttt	ctgtactgtg	60
atttgtttca	agcttaggaa	aactagtata	ttagagtatg	ttctaggaaa	ttaaaagatc	120

tggttagagt	aaaaagttct	ttttaagggt	cttaactaat	tttttcacaa	ctaagaaaat	180
aaatgaagta	ttcttaggct	gaaattcatc	ttattttatc	ataaattaga	ttgtaggggc	240
agcctacatt	tttgtgtatg	tgtttttatt	tcttaaatga	ttgtgtgagc	ctgggtgacat	300
tttatggttc	ttgtgatcta	aactgttttt	ccaattcaca	tcttttgtcg	tgaagtgata	360
ttatactaga	gtactgtttg	cattgtaaaa	atgctttgct	ggtgctctgg	cattttgtct	420
ttatctcatc	acctaattt					439

<210> 1527
 <211> 609
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(609)
 <223> n = A,T,C or G

<400> 1527						
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tcttgccaca	aaatctcgaa	gagctgccat	ttcagggttcg	gacagtgaat	acacatgtcc	120
actgggaata	ctgtgtgctc	caggatatcat	ttctatgtga	gggtcaacca	ggcgggtgac	180
tgggtagacg	tgctcatcta	ctggagtgtg	cacattctgg	acatagtaat	acctcactgg	240
ttggtaaact	ctgtatccat	ctactggata	atagagtggc	ggttgtggtg	ctgggtggtg	300
gagcgatggt	ggtattggag	aatacatccg	gcagtggtag	cggcagtatt	cagaatcaaa	360
gacgatagat	cgagtgtctc	atgtgatatt	gggatcatgt	gtgctcagcc	agcgaacccc	420
taggacgaca	gggaagaatg	gagactgagt	cacatcaaat	gacagcacct	ctcggtgatc	480
tcccagggtc	actatcaggt	cgtgagtttc	gtggacaact	gggcccgatg	ctatggggcg	540
cccatcaatt	gcttccacaa	gtattggacc	cgcccgggcg	gncgctcgca	agggccgaaa	600
ttccagcac						609

<210> 1528
 <211> 393
 <212> DNA
 <213> Homo sapien

<400> 1528						
tgatgtaatg	aattcatatt	tattgatata	gaaaaatatg	atataatcca	tctaaaaagc	60
aagttacaaa	acagtgtaca	gtgtaccata	gtacctatga	acacaattag	tgaagtaatt	120
tgcagagcta	taataccaaa	tcagaaatta	ttttggtaat	gaatttatga	ttttcctcgt	180
tttctgattt	tttccatgat	ctcatatact	ttattctcag	aaaacaaaag	acaaaacccc	240
acacatacac	aaaaataaac	gagtaacttc	tttacaaccc	cagaggctaa	gtcagtggga	300
aaagagggaa	atgaatggtt	atgagcataa	acacagggac	aaataaaaaga	agtttggagc	360
acagagaaca	attcacaaat	cagaagtcac	ttt			393

<210> 1529
 <211> 143
 <212> DNA
 <213> Homo sapien

<400> 1529						
atccgataga	atccagttca	atgaccttca	gtctttactc	tgtgcaactc	ttcagaatgt	60
tcttcggaaa	gtgcaacatc	aagatgcttt	gcagatctct	gatgtgggtta	tggcctccct	120
gttaaggatg	ttccaaagca	cag				143

<210> 1530
 <211> 636
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 1530
 gtggagaagc ggcttggtcg ggggtggtct cgtgggggtcc tgcttggtta gtcgctttca 60
 ggggttcctga gccccttcac gaccgtcacc atggaagtgt caccattgca gcctgtaaat 120
 gaaaatatgc aagtcaacaa aataaagaaa aatgaagatg ctaagaaaag actgtctggt 180
 gaaagaatct atcaaaagaa aacacaattg gaacatattt tgctcggccc agacacctac 240
 attggttctg tggaattagt gaccagcaa atgtgggttt acgatgaaga tgttggcatt 300
 aactataggg aagtcacttt tgttcctggn ttgtacaaaa tctttgatga gattctagtt 360
 aatgctgcgg acaacaaaca aagggaccca aaaatgtctt gtattagagt ccaattgatc 420
 cggaaaacaa ttttaattagt atatggaata atggaaaagg tattcctggt gttgaacaca 480
 aagctgaaaa gatgtatgtc cmmnctctca tatttggaaca gtccttaact tctagtaact 540
 atgatgatga tgaaaagaaa gggacaggtg gtcsaaatgg ctnttgagcc naattgtgta 600
 acatattcag tacccaattt actgngggaa acagcc 636

<210> 1531
 <211> 194
 <212> DNA
 <213> Homo sapien

<400> 1531
 aaaaggcaga gcattctttt ttcggaatt ttgataagca aggtgtagat ttacattttt 60
 gtccttgctc ccaacgaaat ggataaacia aaataactta ccatctactc atggaatggt 120
 gttgtgttag ccagtctgaa ggcccacott aatttttata taactgtctt tagctcttct 180
 tttgacaggg cagg 194

<210> 1532
 <211> 300
 <212> DNA
 <213> Homo sapien

<400> 1532
 ccatacaagg taattttgac aggttccttg gattaggaca tgggcatctt gggaggccac 60
 tactggccta ccacaactgg gcagcaaaaac tattacaccc tccggtataa tagtttttgt 120
 gtttcaatga ctgggaggaa aagggttgga attttttgct ttgggggtccc tcttaacctt 180
 gtatttttaa ggtctgggac tcaccaaccc tccccttcca accagagaaa ctcaactgcag 240
 tatctccttg aaagtctggt gacgagtctg tctaagtgtc ggtgagaggc acaggaccaa 300

<210> 1533
 <211> 521
 <212> DNA
 <213> Homo sapien

<400> 1533
 gttcctttgc accctgtaga tgttctagga tagttgatgc atgttactaa attacgtatg 60
 caagtctgtg agtgcgctctg aggggacatc gccaggact gactgagaca cgatgccgag 120

<211> 341
 <212> DNA
 <213> Homo sapien

<400> 1537
 acttcggggc tccctctccc tgtgcagacc ggttgaataa atgataaaaat tactgtttgt 60
 gtccctctgtg aagtctggat taatggaaaa aaggatttgt gaggctagtc ttaggctgta 120
 gccaatctgg tgtgcttttt gtgtcttccct gtatggttcc atgataagga ggaatacctt 180
 aggatagaat gcaagcctag gaccccataa gcctgttggt caagccaacc agcaaactgg 240
 gcagtaacaa acattgctgc aggtttccat tttgttttac gtccttgga gcttgacctt 300
 gtaaccacgt ggcagtacct tcttttggcc tctgccattt t 341

<210> 1538
 <211> 363
 <212> DNA
 <213> Homo sapien

<400> 1538
 ggacctgact ttgagtcctat cagagacaaa gtgagtgaga tgcacataca gtgtttccag 60
 acctgactca gcccatctgt ctgttaggaa actttatgaa gacgcccccc agaattaaac 120
 cctaattcaa atgtctcact ctgaatagag accttctgaa ataactcttg tatagagacc 180
 cagacacgtg ccttttgccct taaaataaaa atatttagcc catgttggtt tatgtatctg 240
 tctttcagtt agttttgaag gcccgcacgg aaaagtgggg cctgtgcacc tgaaaagaaa 300
 tgtgtatggt atgtgggtgt tgggtctttcc tactagagtt atcttgataa ttgtgaagag 360
 tgg 363

<210> 1539
 <211> 371
 <212> DNA
 <213> Homo sapien

<400> 1539
 ctgtgggggt ccttccagag aggagctgag atacgcctac ctggaggggc ccctgggcct 60
 ggaggggctc ctcaagtgtga ctgggtgaag tgttttcaga ggaccagggt tgaggttggg 120
 ggcattctcat ccagaccctg ccggcatctg cccagaacc caagggcccc tccttcctcc 180
 ctccctcaatg gaaatgctgg agatgtcctc agtcaccctc tgagcactca cacatcacc 240
 cttatttga aatttttctc actctaacct tccctcctgc tgcaccttct gccccatccc 300
 caggctctgg cctctctctc tcctcttcta ccccttagca ggtaatgact cagttcccac 360
 tgaggagcca g 371

<210> 1540
 <211> 403
 <212> DNA
 <213> Homo sapien

<400> 1540
 ctkgacgtga tggagcaggt gagcagtgcc cgtggggcct gccagagggc tgaggaggac 60
 cctctctaac cagctccctg tcccccttct tctgtagctt gagttgaaga agacactgct 120
 ggacaggatg gttcacctgc tgagtogagg ttatgtactt cctgttgtca gttacatccg 180
 aaagtgtctg gagaagctgg aactgacat ttcactcatt cgctattttg tcaactgaggt 240
 cagcaatgca ccgttggttt catgtttcat actgtttaca ctagcactgc cctttttggc 300
 ttaatttagt tcattttgta cctaactgag aactgtgctt tctgatgtag tgatgacaat 360
 gacagatact cgtttaccaa aaagcacctt ctgcctgcag cag 403

<210> 1541
 <211> 428
 <212> DNA
 <213> Homo sapien

<400> 1541
 taaaacaaaa ctaaagaaga gaaaatatat tctogtaaat tatctgaact taaaagatgg 60
 aagcctggag atagatttgt gataagccat tgcctgagta atcctagagt tcttgataat 120
 ttcagttggg taaattacaa tagtttgcta tttcctccct cacattttat gttctacagt 180
 atctagctgc ttgggttttc ctgtatacca tggggcttct gtcactctggg ctttactcag 240
 tggcatattc cctctgccta aaactctcct cccctctcca ccttagaagt agcttttcct 300
 agaacgggtt tcccagggtt tcacctaagg tgatagtaca atctacaggg acctgcacat 360
 gaagaccttt gcatacatgc caggaagttg gactttatct ttggaaaaag ggagcctttg 420
 aaggtttt 428

<210> 1542
 <211> 345
 <212> DNA
 <213> Homo sapien

<400> 1542
 awttaaatgc ttagcaagca gcaattccac gatgggtcaaa ttcctaatat gagagaagta 60
 gaaataggaa aaataggcca ccctgatact tatgttttca ttttgcttaa tatacgtttg 120
 tatatttcaa tataacatta atagatatcg tgctcccttca cagttctaaa gtagtaagca 180
 aaatgaatta atttaaccta tgcaattaaa accaattttg aagaatattg aggtagcaca 240
 ctgttacggg aattagtatg actcagtaat gcagttgaaa gttagtggct cctaattccag 300
 tatgaatcat ggagatgaga gaaatgatta gataaagaga tattt 345

<210> 1543
 <211> 420
 <212> DNA
 <213> Homo sapien

<400> 1543
 aatattgaat ttctagaagc agtatattgc ttactgcttc ttaattacgt tatagatgag 60
 gtggaaatga taaaaactaa agaagcaaga ttaattctta acacacattt caggctgttg 120
 taaaagaata aacaatgctt catataaact tctagcaaat gacttcctaa tgaggtcttg 180
 aaacagtctt tagggcacgg aatgtcatca cataattaag cagctttaag cctttattaa 240
 aaggcttaaa gtcgcaaaca atgaaatctg aaacaaactg taccatatta aactttttga 300
 tgatatttca aattcagtaa aagaaaaaaa ggatggttca gaataacatc acgtattcta 360
 atcctgaaac acataacaaa tgcactctgaa acagcaattc ttaaaaagggt tttgcccttt 420

<210> 1544
 <211> 306
 <212> DNA
 <213> Homo sapien

<400> 1544
 ctggtttcac tcctactccc tctctgctcg cagcacgtcg gccgccagct ctttgatgtg 60
 ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg caaagcgcag 120
 gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac tgtttattct 180
 ttgcagaaga gtttcattca ctttggttga acccttttagc cgaaagcaga caagccccag 240
 aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact caaactcatg 300
 ggacag 306

<210> 1545
 <211> 110
 <212> DNA
 <213> Homo sapien

<400> 1545
 ctgctccggg ccttcacact gaagatcagc gtgtgcgatg ccgtcctgga ccacaacccc 60
 ccaggctgta ccttcacagt cctgggtgcac acgagagaag ccgccactcg 110

<210> 1546
 <211> 239
 <212> DNA
 <213> Homo sapien

<400> 1546
 aaagaaatat gacacgggtgt tggatattct aagagacttt tttgaactca gacttaaata 60
 ttatggatta agaaaagaat ggctcctagg aatgcttggt gctgaatctg cttaaactgaa 120
 taatcaggct cgcttttatct tagagaaaat agatggcaaa ataatcattg aaaataagcc 180
 taagaaagaa ttaattaaag ttctgattca gaggggatat gattcggatc ctgtgaagg 239

<210> 1547
 <211> 527
 <212> DNA
 <213> Homo sapien

<400> 1547
 aaaaattcca gttgagattt ttctggttct ctgtataaag attgactgga acatatacat 60
 ttggtgggtt atgtttggag actttggctc ttattcaaac cttccatttt agttggcttc 120
 ttctgacagt gcttcagcat ggaagcaagg agggggcctc attactgcca ggtaagggtg 180
 aaaatctagt ttctctgctg ggtctccatt gtcactaaga aaggaatggc tctgttattg 240
 ctgggcaggg ttggctgttc caactgataa tcctatgtct gggagggcta ggagtgcctc 300
 cttgctgttc ctctgtttgt ttccactgac agtggagtgg ccttgttact gctgggtggt 360
 ggttgagagt tctggctctc tactagggag gacacaacct cagtgtagag aggcggggat 420
 acctgtttac tgtcaggcac aggcggaggt ccagtctcct tactccacct acccaacagg 480
 gtagcttgag gcacttcatt attgcctagt gagagtggaa gtttagg 527

<210> 1548
 <211> 333
 <212> DNA
 <213> Homo sapien

<400> 1548
 ctgtgggcgg agctagtagg ggcggggcta cgtgattgac acttctctcc tcagacttca 60
 agggctacca ctggaccctt cccctgtctt gaaccctgag ccggcaccat gcacggacgc 120
 ctgaagggtga agacgtcaga agagcaggcg gaggccaaaa ggctagagcg agagcagaag 180
 ctgaagctat accagtcagc caccagggc gtattccaga agcggcaggc tggtagctg 240
 gatgagtccg tgctggaact gacaagccag attctgggag ccaaccctga ttttgccacc 300
 ctctggaact gccgacgaga ggtgctccag cag 333

<210> 1549
 <211> 438
 <212> DNA
 <213> Homo sapien

<400> 1549
 ttgacagtgt acgctggagc aggttccagg gtggggctgc cctgccgcct gcctgctggt 60
 gtggggaccc ggtctttcct cactgccaaag tggactcctc ctgggggagg ccctgacctc 120
 ctggtgactg gagacaatgg cgactttacc cttcgactag aggatgtgag ccaggcccag 180
 gctgggacct acacctgcca tatccatctg caggaacagc agctcaatgc cactgtcaca 240
 ttggcaatca tcacagtgc tcccaaatcc tttgggtcac ctggatccct ggggaagctg 300
 ctttgtgagg tgactccagt atctggacaa gaacgctttg tgtggagctc tctggacacc 360
 ccatcccaga ggagtttctc aggaccttgg ctggaggcac aggaggcca gctcctttcc 420
 cagccttggc aatgccag 438

<210> 1550
 <211> 204
 <212> DNA
 <213> Homo sapien

<400> 1550
 aaaactaagt tattccaaca ctaaaagcat acaacagcat gccaacagta atatattatt 60
 ctccaagact ttacctatgt aagtgttcaa aactctgcag cattaaacaa cgtgtatgca 120
 aattgttatg gatacatttc agaatctaag aaatcaggca agtgcttaaa aggccaacgg 180
 tccaagggat tacatctgca gttt 204

<210> 1551
 <211> 132
 <212> DNA
 <213> Homo sapien

<400> 1551
 ccatctgtgg atttgtctgt gcacctattg gctcttctag ctgactcttc tggttgggct 60
 tagagtctgc ctgtttctgc tagctccgtg tttagtccac ttgggtcatc agctctgcca 120
 agctgagcct gg 132

<210> 1552
 <211> 433
 <212> DNA
 <213> Homo sapien

<400> 1552
 ctgaatagag gtcaacacag ttgcgatggt gagggatggt ctccaagcac cttttggtgg 60
 caatttgaga acatccagac aaatccttcc agcagaatca atgtttggat gataaattgg 120
 agtgagaaat cggatctgag gaggttcaaa tgggtacctc tcaggaatga taacttctag 180
 cttaaaaaaca cttttctcat aaggtgtggt ggctccacct aatatttgag ctgcaggtc 240
 atccatttgg tctttatctt gccaacatgt gatgcctggg ggtggctctg tggctaaccat 300
 gtgcagctct ctcttcagac gtgaagctct ctgcatgata cccaagtaga aggaaccaca 360
 cacagttcac tgotccacac taagagctgs ctgggatgca ctgagctgac acccctcaca 420
 acgcagcaac gcg 433

<210> 1553
 <211> 316
 <212> DNA
 <213> Homo sapien

<400> 1553
 gagcaaggct tgctgagaac agaccagctc cctgaggaag gagaagatgt tgctgccacg 60

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atcagtgcc aaggtagaag gcagagatca aaaggggtggc caggctggac
cagagaccct aagaaatcca agcggaaact aagacgtgac agaag
ctcggaagag gactctgtct tggaatcaat agcaacatct
gagcaggaag caagtgttag tctctacagg gcttacaaga
agctaagaag cagcaaaaaga aactaaaaca agacatctga
agaacttgca gaagcatcta gaacattgcc aaccttatcc
120 180 240 300 316

```

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<210> 1554
<211> 542
<212> DNA
<213> Homo sapien

```

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<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

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<400> 1554
aaaggaatta ttctggcagc acatgtagta ttcttggatg atcttgctgc tcttatttct
ccttttgtgt gtgtgtgtgt gtgtgtggct atgggttttc atttgtaact ccatctgctt
argagagtgg gctctctata agggaaacct ctgtaaaact cattgcagca aggatgtaga
gagaaatagg acttaattcc actaggggct ctcatctcac accttaagga ggagatttct
agaaaaactg ggccagattt tctttgytct ccatcatttt aatgtggcag gctgytcagt
tttcttactc ttacctatgw gatatttctt cgtaacgtgt ccaaaaagaa aaaagaccca
atcagtgtct cttgactttg ttctttgatc cctcagtttc ttcttgattt cagcatgtgt
cggggttcct aattttgggt atgagtttagc aaatttaacc attgtgtttg tgccctaccc
aggggactcc ccagtttctg acttgaagta gactganaag aatccacgag gngctatttt
gg
60 120 180 240 300 360 420 480 540 542

```

```

<210> 1555
<211> 117
<212> DNA
<213> Homo sapien

```

```

<400> 1555
ctgtctgtgg cttcccatgt ctttctccaa agttatccag agggttgtga ttttgtctgc
ttagtatctc atcaacaaag aaatattatt tgctaattaa aaagttaatc ttcatgg
60 117

```

```

<210> 1556
<211> 111
<212> DNA
<213> Homo sapien

```

```

<400> 1556
ctgctgcagc cgcagtttct catccggagt gtaccccgtc atgtcgccgc tggtagcaac
gcaaaaggac acggcgccacc ctcgaactac ggactagtta cttaagcgcg c
60 111

```

```

<210> 1557
<211> 454
<212> DNA
<213> Homo sapien

```

```

<400> 1557
cgaggactga tcctctagta ctaagtgact ggggatatta caytarccaa cattgggttga
tacatacctk artmatcatw tgaggaygca gtgataarsg satawwmywg tatsatccya
60 120

```

"92964350"

acaygyacta rctcaaaaaac tagtgggggc ggattgatct cctgtggggac wkacacatgsc 180
 ctgaaagtga acatgmtcmt ratcacctgc agrgcttgag atggyccmca tkgcwgcact 240
 ccgccccyac aktttttgaw tcwacwggag ttaggswgmt yctwgawtta kcctttctac 300
 ctgcctccyg akagrwcwc wygastwga kgaatssatt gackkctaag rttakacttc 360
 cactaactct gtacgmtgar ctcttactaa tattcgttac cacgctaaga ggctctgctc 420
 caggatctca tcgcgactgg aaggaacctc cagc 454

<210> 1558
 <211> 404
 <212> DNA
 <213> Homo sapien

<400> 1558
 aaagaagtgc agttgatatc taattttacac agtgaaacta gtgatagaaa ataactaatg 60
 aaaaaaaatc agagactggg ttccaattga ttgacaccta gatctgtcag cctctcttaa 120
 agaaagggga aggagaaaaa aaatctcatc atggaaggca gacaagagtc cacctgacag 180
 aggtggaatc tgatggaatc tgacccatt tcatgataaa cgagaggaaa cataaatgcc 240
 atctcaaata ctaaagcgat gtagttagc atgagtact caatgcaaat tcacagagga 300
 aaagaagtta cggttagga agtaggacaa taaatacaaa tatttcactt tatttaattg 360
 tgcattgact cagtgaact accctttgca atgcaataaa tttt 404

<210> 1559
 <211> 266
 <212> DNA
 <213> Homo sapien

<400> 1559
 aaactatcag aagagatgag agggaattga tctacaatac tagaatttta tgtgcagaca 60
 aatccacatc tggaaatgaa atcacagtaa gatattttcg ggagaccaa acataaaaaat 120
 tgctagaata aatttgccac gaacgagtaa ctagacatta gaaattgact acatagatat 180
 agtaatacta aaagtgtga aaacaagcaa acacaacaca cacattctca attctttttt 240
 tttctatcaa atatcttcaa cttttt 266

<210> 1560
 <211> 142
 <212> DNA
 <213> Homo sapien

<400> 1560
 aaaactcagt atcttttgaa ccagaggcat ttctgattag cccttcctta cctatttttc 60
 tagtatcact ctttaatacag cttggggagg tggcagcatt tcatggcctc cgtagtaact 120
 cacaatgctt cctggggtat tt 142

<210> 1561
 <211> 381
 <212> DNA
 <213> Homo sapien

<400> 1561
 aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
 ggaaacaaaag tttaaaaaca aagaaaagt gagtaaaagg tgccccctct atggctcatc 120
 tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttccact 180
 cactttgcaa ggaccactc attctgcaga aagacctaca agtctttctg gtctcaattg 240
 caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300

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<400> 1564
ctagtttttaa gatcagagtt cacttttcttt ggactctgcc tatattttct tacctgaact 60
tttgcgaagtt ttcaggtaaa cctcagctca ggactgctat ttagctcctc ttaagaagat 120
taaaagagtaa aaaaaaaggc ccttttaaaa atagtataca cttattttta gtgaaaagca 180
gagaattttta tttatagcta attttagcta tctgtaacca agatggatgc aaagaggcta 240
gtgcctcaga gagaactgta cggggtttgt gactgaaaaa agttacgttc ccatttcta 300
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<210> 1568
 <211> 192
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(192)
 <223> n = A,T,C or G

<400> 1568
 ttgngtctgt gtgagnnggt tgaccttctt ccatcccctg gtccttcnct tnccttnccg 60
 aggcacagag agacagggca gnatccacgt ncccatnttg gaggcagana aaagagaaag 120
 tgntttatat acggtactta tttaatatcc nttntaatt anaaantnaa acagttaatt 180
 taattaaaga gt 192

<210> 1569
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(575)
 <223> n = A,T,C or G

<400> 1569
 ctagttctgt cccccagga gacctggttg tgtctgtgtg agtggttgac cttcctccat 60
 cccctggtcc ttcccttccc tcccagagc acagagagac agggcaggat ccacgtgcc 120
 attgtggagg cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt 180
 ttaattagaa attaaaacag ttaatttaat taaagagtag ggtttttttt cagtattctt 240
 ggtaataatt taatttcaac tatttatgag atgtatcttt tgctctctct tgctctctta 300
 tttgtaccgg tttttgtata taaaattcat gtttccaatc tctctctccc tgatcgngga 360
 cagtactag cttatcttga acagatattt aattttgcta acactcagct ctgccctccc 420
 cgatcccctg gtccccagc acacattcct ttgaaataag gtttcaatat acatctacat 480
 actatatata tatttgcaa cttgnatttg nngtatata tatatatata tgtttatgta 540
 tatatnggat tctgataaaa tagacattgc tattc 575

<210> 1570
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(392)
 <223> n = A,T,C or G

<400> 1570
 ctagtccagn gtggtggaat tccgccgcca tcatgggtcg catgcatgct cccgggaagg 60
 gcctgtccca gtcggttcta cctatcgac gcagcgctcc cacttggttg aagntgacat 120
 ctgacgacgt gaaggagcag atttacaac tggccaagaa gggccttact ccttcacaga 180
 tcggtgtaat cctgagagat tcacatggtg ttgcacaagt acgttttgtg acaggcaata 240

TC050-326480

aaattttaag aattcttaag tctaagggac ttgctcctga tcttcctgaa gatctctacc 300
 atttaattaa gaaagcagtt gctgttcgaa agcatcttga gaggaacaga aaggataagg 360
 atgctaaatt ccgncgtgatt ctaatagaga gc 392

<210> 1571
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1571
 gaaggacgtt tgtgttgga gccctggat ccccggcact cctggatccc acggcctgcc 60
 aggcagggac gggagagatg gtgtcaaagg agaccctggc cctccggggc ccatgggtcc 120
 acctggagaa atgccatgtc ctccctggaaa tgatgggctg cctggagccc ctggtatccc 180
 tggagagtgt ggagagaagg gggagcctgg cgagaggggc cctccagggc ttccagctca 240
 tctagatgag gagctccaag ccacactcca cgactttaga catcaaacc tgcagacaag 300
 gggagccctc agtctgcagg gctccataat gacagtagga gagaaggctt tctccagcaa 360
 tgggcagtc atcacttttg atgccattca 392

<210> 1572
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 1572
 ctgcagcttc tgctgctgag gccgggattg ctacgactgg gactgaagggt gaaagagggtg 60
 gaatccgaag tcttgggact gcgggatgct aaacattgaa agctgggtgt aggcactgca 120
 gggagagtgt ggaggtctga cagggttagga atatgtggga gggctgggct aggaatggcc 180
 ttggaggctg gcctgtgttg atatggcacc aattctaccc tgctcctctt ttccttttcc 240
 cagactcaga cgatgccctg ctgaagatga ccatcagcca gcaagagttt ggccgcaactg 300
 ggcttctga cctaagcagt atgactgagg aagagcagat tgcttatgcc atgcagatgt 360
 ccctgcangg gagcagagtt tgg 383

<210> 1573
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 1573
 cctccagagc ctctctagt gacagagcgc tcacactccc tccgctggga acgatggctt 60
 ctgcctagta cctatccttg tgtttctgat gcagtggtag cattgggttca agttctctcc 120
 tgctgtggtc agagttgctt cgatgttg 149

<210> 1574
 <211> 143
 <212> DNA
 <213> Homo sapiens

<400> 1574
 ctgccaggct gaaaagaagc ctcagctccc acacgcacct cctcaccgcc cttcctcggg 60

agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacacca gag 143

<210> 1575
<211> 112
<212> DNA
<213> Homo sapiens

<400> 1575
ctgcatccac cctctttcag ggggtagagc cactatactt ctcatgtaga tcagccacat 60
tgtcactgga gactcggatc cagccatcct cccgcacgtg gtagagggtg ac 112

<210> 1576
<211> 198
<212> DNA
<213> Homo sapiens

<400> 1576
ccagtatgtc cccaggatta tgtttggtga cccatctctg acagttagag ccgatatcac 60
tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tggtgcttga 120
caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccag 180
gcccttctgt ctgtcagg 198

<210> 1577
<211> 444
<212> DNA
<213> Homo sapiens

<400> 1577
cctgcctgga gccccagatc accccttctt actacaccac ttctgacgct gtcattttcca 60
ctgagaccgt cttcattgtg gagatctccc tgacatgcaa gaacagggtc cagaacatgg 120
ctctctatgc tgacgtcggg ggaaaaacaat tccctgtcac tcgaggccag gatgtggggc 180
gtcatcagggt gtcttgagc ctggaccaca agagcgccca cgcaggcacc tatgagggtta 240
gattcttcga cgaggagtcc tacagcctcc tcaggaaggc tcagaggaat aacgaggaca 300
tttccatcat cccgcctctg tttacagtca gcgtggacca tcggggcact tggaacgggc 360
cctgggtgtc cactgagggtg ctggctgcgg cgatcggcct tgtgatctac tacttggcct 420
tcagtgcgaa gagccacatc cagg 444

<210> 1578
<211> 294
<212> DNA
<213> Homo sapiens

<400> 1578
ccacaaagcc attgtatgta gettttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcaggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
ctcaggggtgc cagacctcat ccattccaaa atatgcccg tgctatccgc ccag 294

<210> 1579
<211> 295
<212> DNA
<213> Homo sapiens

```
<400> 1582
ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
tggcagacct catgcaatgc cctccattgt aatattcatc agaaaattgga taattagggg 180
ggccagcaaa aatatcaagc gtc aaatgat gcacattttc gtttaggcc a tctatggctt 240
tcatctcctc tgaagtcaac ttgaattcaa acacctgcac gttctgtctg atgcgctgct 300
```

ca

302

<210> 1583
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 1583
 ttctctgtcc gtgggaacca cgagtgtgcc agcatcaacc gcatctatgg tttctacgat 60
 gagtgcaaga gacgctacaa catcaaaactg tggaaaacct tcaactgactg cttcaactgc 120
 ctgcccacgc cggccatagt ggacgaaaag atcttctgct gccacggagg 170

<210> 1584
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 1584
 ccagacgtgg tggctcacac ctgcagtcac agcaccttag gaggcggagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
 aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180
 cgaggcagga gaattacttg aacgcaggag aatcactgca gccacggagg cagagggttg 240
 agtgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
 gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcacctt gaagtcagcg 360
 ggcccagg 368

<210> 1585
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 1585
 caaccctctc tctcagcgc ttcttcttct ttggtttgat cctgactgct gtcattggcg 60
 gccctctgga gaaggccctg gatgtgatgg tgtccacctt ccacaagtac tcgggcaaag 120
 aggggtgaaa gttcaagctc aacaagtcag aactaaagga gctgctgacc cgggagctgc 180
 ccagcttctt ggggaaaagg acagatgaag ctgctttcca gaagctgatg agcaacttgg 240
 acagcaacag ggacaacgag gtggacttct aagagtaactg tgtcttctg tcttgcacgc 300
 ccattgatgt taacgaattc tttgaaggct tcccagataa gcagcccagg aagaaatgaa 360
 aactcctctg atgtggttgg ggggtctgcc ag 392

<210> 1586
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 1586
 cctccactgc cagcctatgg ttgttcgcca ccaagccagg agtgctgcac cgcccagtgg 60
 tccccctcgg gctccaggcc cccactgaga cctctcggga ggacagaagca cttcaccctt 120
 cagagtccta caagtcacac cagtggacct ggaattgg 158

<210> 1587
 <211> 85
 <212> DNA
 <213> Homo sapiens

05064850-05064850

<400> 1587
 ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc totttaattac 60
 tagacctcag tactgaatca ggacc 85

<210> 1588
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(369)
 <223> n = A,T,C or G

<400> 1588
 ccaggctacc ttcccactgg agacaggcag ggggacaggt gctaagggac ctggcaggca 60
 gggctggcag gccccatggc gcctgttcca gcagatgaca agcccaggtc agggtagagc 120
 gggcaggagg ggggacgagg gctcccacaa catgattttg tgtaaaatat ggcagcgaca 180
 cacgctcagg gccgggaggt gggggttagg gtggggacgg cggcaacatc gtgtaaaaaa 240
 gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcagagctt ctccagtaca 300
 agggggaaag ccgcccggcg ggggcggcgg gcagggacat catttggttt cctggtgctg 360
 tcngtccga 369

<210> 1589
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 1589
 ctgtagcttc tgtgggactt ccaactgctca ggcgtcaggc tcagatagct gctggccgcg 60
 tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggaggcgg ggaacagagt gaccgagggg 240
 gcagccttgg gctgacccag gacggtcagc ttggtccctc cgccgaacag taaaaggga 300
 ctgagctgt tatcatagga ctggcagtaa taatcagcct catcttcagc ctggagccca 360
 g 361

<210> 1590
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

<400> 1590
 ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccagggt gtctttctac 60
 tcgggacact cttccttttg gatgtactgc atggtgttct tgggtgctgta tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgaccacacag tccagttctt cctggtggcc 180
 tttgccctct acgtgggcta caccgcgctg totgattaca aacaccactg gagcgatgtc 240
 cttgttggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac 300

```

tttttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
agcctgtcac tgacgttgac cctgggagag gctgacnaca accactatgg ataccgcac 420
tcctcctcct gagg 434

```

```

<210> 1591
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

```

```

<400> 1591
gctttcgcca gaaaatgttg catgtcaaac aatatgtgat ccatactgtg tgtcgtcctt 60
gggggtttat ttgactttgt cacaatgaca gccaacagtg agactgataa gcctgtaaaa 120
ataaaaaaat aagactaatc aaatagacat ggcattttta tctcaaagtg caaaatcatc 180
taactgaaaa tgacggcatt gagaaattcc agtgggttaa aatgaatcaa aacttcatta 240
cgcaggcagt ggaagtgtgt tgaaagattt accaggggtg tcaagtttta gacactcaga 300
aaggcaccat tctagccatc ttgattggat aacatgtata tacttatgtc cctacgatat 360
tcaaaagata atactgtttt agtacaaaac aatcaaaca ggcaaagant caaaaccaag 420
ccaacccaaa tatccccag 439

```

```

<210> 1592
<211> 74
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(74)
<223> n = A,T,C or G

```

```

<400> 1592
tttttttttc taatgttcac agtccctgct ttatttccat ttgttcacac acnctttaa 60
aaaaaaaaaa aaaa 74

```

```

<210> 1593
<211> 288
<212> DNA
<213> Homo sapiens

```

```

<400> 1593
ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
agctttgggtg caattcccat cgaccagagt tgggtccgacc agccttggaagggtcactga 120
aaaatcttca attggattat gttgacctct accottattca ttttccagt tctgtaaagc 180
caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
tctgtgccac gtgggaggcc gtggagaagt gtaaagatgc aggattgg 288

```

```

<210> 1594
<211> 455
<212> DNA
<213> Homo sapiens

```

```

<400> 1594
ccacacagac tcaccaagcc acagacttgt cttccacaag cacgtttotta ccttagccac 60
gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
aaataccaag gggaacagtt aacttcaata caagggtcaaa atcagcaaca agttctacaa 180
tccagtgtgtg atatacagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
acccatgcag caaatgctac gcatctgctg agtccgttta gaagcatttg cggtaggacga 360
tgagggggccc cgactcgctg tactcctgct tgctaatacca catctgctgg aaggtaggaca 420
gtgaggccag gatggagcca ccgatccaca ccgag 455

```

```

<210> 1595
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(367)
<223> n = A,T,C or G

```

```

<400> 1595
ccaggctacc ttcccactgg agacaggcag ggggacaggt gctaaggagc ctggcaggca 60
gggctggcag gcccacatgg gcctgttcca gcagatgaca agcccaggtc agggtagagc 120
gggcaggagg ggggacgagg gctcccacaa catgattttg tgtaaaatat ggcagcgaca 180
cacgctcagg gccgggagggt ggggggtagg gtggggacgg cggcaacatc gtgtaaaaaa 240
gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcgagcttc tccagtacaa 300
gggggaaagc cgcccggcgg gggcggcggg caggagacatc atttggtttc ctggtgctgn 360
cagtcgg 367

```

```

<210> 1596
<211> 193
<212> DNA
<213> Homo sapiens

```

```

<400> 1596
ctgtttcttca tgcgcctggt ggggaagacg cccattgaga cactgatcag agacatgctg 60
ctgtcgggga gtaccttcaa ctggccctac ggctcggggc agtgaccatg acggggccac 120
gtgtgctgtg gccaggcctg cagacagacc tcaagggaca gggaatgctg aggccccggg 180
aggccccctg agg 193

```

```

<210> 1597
<211> 145
<212> DNA
<213> Homo sapiens

```

```

<400> 1597
ccatgctgga tgtttctgctg cttagacctg atctgctgcc aattaccagg ggcagggtcaa 60
ggatgacctt cttggatcca ggaacgctaa catagatcag taaggaatat tcaactcgaa 120
ggatgttgca gccaggata gaagg 145

```

```

<210> 1598
<211> 445
<212> DNA

```

<213> Homo sapiens

<400> 1598

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggatcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctgggtggggc gagagcaggc atggcaacaa atcccaagtt 180
aggtctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt tgtagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg tggagacaa tggatttcgc 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420
tacatcaaac attatgatgg cacac 445
```

<210> 1599

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1599

```
cctgccccag ggggaagcac ggacccgaga cgacggcgat gaggaagggc tcctgacaca 60
cagcgaggaa gagctggaac acagccagga cacagacgcg gatgatgggg ccttgcagta 120
agcagcctga caggagcaat gg 142
```

<210> 1600

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1600

```
cctgcacttg aacatggctt tggttttaag caacttctct accctgacct tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtcttg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297
```

<210> 1601

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1601

```
ctggagatga tcctcaacaa gccagggtc aagtacaagc ctgtctgcaa ccagggtggaa 60
tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120
ctggttgctt atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180
ccggtgtctt tggaggacct agtcctttgt gcctcggcaa aaaagcacia gcgaacccca 240
gccctgattg ccctgcgcta ccagctacag cgtgggggtt tggctcctgg 289
```

<210> 1602

<211> 398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(398)

<223> n = A,T,C or G

<400> 1602

```

gggagggcag agggagaatg ggaagatcag gaagctctag attacttcag tgataaagag 60
tctggaaaac aaaagtttaa tgattcagaa ggggatgaca cagaggagac agaggattat 120
agacagttca ggaagtcagt cctgcgagat cagggtaaaa gttttgctac tgcatctcac 180
cggaatactg agaaggaagg actcaagtac aagtccaaag tttcactgaa aggcaataga 240
gaaagtgatg gatttagaga agaaaaaaat tatnaactta aagagactgg atatgtagtg 300
gaaaggccta gnactacaaa agataagcnc anagaagaag acaaaaattc tgaaagaata 360
acagtaanga aagaaactca gtcacctgag caggtaaa 398

```

<210> 1603

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1603

```

ctggtgatct gctttcttac cctaaactctt gacaaatgag tcgtctacta ttttaaagag 60
tctggaggtc tctgactctg ccataacaat aacctgctgt taatttataa cacagatttt 120
tgtttggaag agccttattt gaaatacact ttgattcatt ttcttaaata tttatattct 180
tttcttgctt acttcagggt tggtagctta gttggaagtg ccagcacctg gcacctattc 240
atatagaaca ggctgtactc aagacaactt ctagcattta ctttaagact tatataattt 300
atttctattt tgtgtgtact atagtcttgt gcatatgtag ttgaacacac agtgaaatat 360
atgtctctct ttgtggatgt gcggcctaaa aatttgaatg tctggtgaga gagagccatg 420
tgtataggtc agagaaaa 438

```

<210> 1604

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1604

```

cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
tctagagaag ttttcacact ggaccaatac ggaattccga tacctggagg atggagg 297

```

<210> 1605

<211> 451

<212> DNA

<213> Homo sapiens

<400> 1605

```

ggaaaggcta ttgtttctcg acagtttgtg gaaatgaccc gaactcggat tgagggctta 60
ttagcagctt ttccaaagct catgaacact ggaaaacaac atacgtttgt tgaaacagag 120
agtgtaaagt atgtctacca gcctatggag aaactgtata tggtagctat cactacaaa 180
aacagcaaca ttttagaaga tttggagacc ctaaggctct tctcaagagt gatccctgaa 240
tattgccgag ccttagaaga gaatgaaata tctgagcact gttttgattt gatttttgct 300
tttgatgaaa ttgtgcgact gggataccgg gagaatgtta acttggcaca gatcagaacc 360
ttcacagaaa tggattctca tgaggagaag gtgttcagag ccgtcagaga gactcaagaa 420
cgtgaagcta aggctgagat gcgtcgtaaa g 451

```

<210> 1606

<211> 272
 <212> DNA
 <213> Homo sapiens

<400> 1606
 ccggagccca cgggtggtcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
 ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
 ccagccaagg acaggggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
 cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240
 gaagcagaat gcaccttctg aggcacctcc ag 272

<210> 1607
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1607
 ccaggctggt ctcaaaactcc tcacctcaac tgatccgccc accttggcct cccaaagtgc 60
 tgggattata ggtgtgagcc accgtgccca aagttaagta tttttgatca agtgttttgt 120
 cttttgtgca aggcatttgt ggctctgtca tagcagagga aaacaaaaca tgcctatcaa 180
 atgaatcaag tccgacctct tctcatattg agcaactaga ggtctaggaa catttcccct 240
 acctgtcatt ctcatctggc ataccagggtg tacatactcc ttcttattct cctctgttac 300
 caagatgttg gccccattgg gtttgaggtc acgaacttca caaactccaa actcttggac 360
 ctcaagtgtg aagggtgaggt catagcctag tgtggagaca tcattttcca gcagataaac 420
 cagaccttgg tagaagtggg aatc 444

<210> 1608
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 1608
 caaaatccaa aactttctctt gaaaagttca gggaccgtcc aggggagatg gggaggagat 60
 atggagttag tcacctgctc cagaagatgc cagctttctct ctccagggtg cttagttggc 120
 tttgccacc cctcactccc caggagctc tggggacagc ttcctcgac cctgtccca 180
 cccacacag 189

<210> 1609
 <211> 426
 <212> DNA
 <213> Homo sapiens

<400> 1609
 cttttgttat cottagagga ctcaactggtt tcttttcata agcaaaaagt accttttctt 60
 aaagtgcact ttgcagacgt ttcactcctt ttccaataag cttgagttag gagcttttac 120
 cttgtagcag agcagtatta acacctagtt ggttcacctg gaaaacagag aggctgaccg 180
 tggggctcac catgcggatg cgggtcacac ggaatgctgg agagatgtta tgtaatatgc 240
 tgagggtggcg acctcagtg agaaatgtaa agactgaatt gaattttaag ctaatgtgaa 300
 atcagagaat gttgtaataa gtaaagtcct taagagtatt taaaatatgc ttccacattt 360
 caaaatataa aatgtaacat gacaagagat tttgcgtttg acattgtgtc tgggaaggaa 420
 gggcca 426

<210> 1610
 <211> 447

<212> DNA
<213> Homo sapiens

<400> 1610
cagggtctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatgggtg 60
acttcttggg agtgggggac caccagggtg cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggtcaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
accgccctcc agcatgggca acatagcaag accctgcctc ttaagataaa aattggaaaa 240
cactggtagg aaaaaaaggc tgtttgggtc aaataagtct ggattgggta taaatgacac 300
aaaactatca tgaatttgaa agcatttcta atttcttgaa agtctgaaaa agtttaaaaca 360
gaatttttagc tgaaaagtcc tgaaaagacat ttgaaaaaaa acagcaagaa cacttaaaac 420
tattcaaggt ttgggctggg cacagtg 447

<210> 1611
<211> 238
<212> DNA
<213> Homo sapiens

<400> 1611
ccaccggggg tgacctctct cgctagcagg gccacccag ctactctccc gcgtcttcca 60
tccctcttag gattcccatt gtcccctact ccagcactag gcaggcacc ccagcccact 120
gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccacccgtc 180
tcagacatcg tgcttcttct ggtgggccag gagtctctcc tcgtcgtcga aggtctgg 238

<210> 1612
<211> 293
<212> DNA
<213> Homo sapiens

<400> 1612
ctgtgcttg tctctcggg agagggtttc ccaactctag cgggtgggaa ggcaatgcca 60
aacatccggg aaaaataaaa ccactgtctc cacatgagct ggaactgtac gcccttgtg 120
ggtctcctca gggcgatggt agcgaatctc tgcaaaacgg taccattgtg tgcacacact 180
tagatcaatg cctgtcagag ccttacaaca acgaatagca gtcttaatca acacagaggg 240
atctttttct gggctctggc catccaacga aggagaccag tggccccc aa tgg 293

<210> 1613
<211> 224
<212> DNA
<213> Homo sapiens

<400> 1613
ctggattgac cccaaccaag gctgcaacct ggatgccatc aaagtcttct gcaacatgga 60
gactgggtgag acctgcgtgt accccactca gccagtggtg gccagaaga actggtacat 120
cagcaagaac cccaaggaca agaggcatgt ctggttcggc gagagcatga ccgatggatt 180
ccagttcgag tatggcggcc agggctccga ctctgccgat gtgg 224

<210> 1614
<211> 439
<212> DNA
<213> Homo sapiens

<400> 1614
ctccaccctg gcgatggctc cctggctcta ctttctctct caaactggct ttttctcatt 60

```

cctttgactc cgccagactt cctcgccccc atgacctggt gttgtgtctg atcaccccaa 120
cattcctggc tgcccaatgt ggggcaatga agacccaggt gaaggaatgc tagagtgtgt 180
gaaagtggag gacgcatcgt caaaggacac ctgaggacgt ctcaaagaag ctcggcggga 240
gagctgagcg ctcggaagaa ccaagaatca tctcttttga aaaatcgatt catcaaata 300
atcttcggcc aacaactggt caagaaggat tcaaatatca caggttccaa gaagtaaagc 360
tttgagggtc acaaaattag caatagaagc tgggttccgc catatagatt ctgctcattt 420
atacaaataa tgaggagca 439

```

```

<210> 1615
<211> 237
<212> DNA
<213> Homo sapiens

```

```

<400> 1615
aggcactcct ggaagtgggt cagtcagggt gcaaaaacat tgaacttgct gtcatgaggc 60
gagatcaatc cctcaagatt ttaaatcctg aagaaattga gaagtatgtt gctgaaattg 120
aaaaagaaaa agaagaaaac gaaaagaaga acaaaaagaa agcatcatga tgaataaaat 180
gtcttttgctt gtaattttta aattcatatc aatcatggat gagtctcgat gtgtagg 237

```

```

<210> 1616
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<400> 1616
ctgggctcta gtttcattcc atctgtcatt ctcaggtaac agggacacat gtccaagtgt 60
tgcccccgct ggcatgattg tagctttggt gataggcatt gcatcttttg tgtaatatgc 120
aataatggca tgaccagatt catgatatgc tgtgatgggt ttgtttttgt tatcaatttc 180
cacacttctt ctttcaggcc ccattagaat tttgtctttg gaaaactcca gctccttcatt 240
ggtaaccatt tcttttccat caacag 266

```

```

<210> 1617
<211> 185
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

```

```

<400> 1617
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
gnaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgct 120
ctttagtgtt gtgtatgggt atcatttgtt ttgaggttag tttgattagt cattgttggg 180
tggtg 185

```

```

<210> 1618
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (1)...(354)
 <223> n = A,T,C or G

<400> 1618
 ctgttaacag ataagtttaa cttgcatctg cagtattgca tgttagggat aagtgcttat 60
 ttttaagagc tgtggagttc ttaaatatca accatggcac tttctcctga ccccttccct 120
 aggggatttc aggattgaga aatttttcca tcgagccttt ttaaaattgt aggacttggt 180
 cctgtgggct tcagtgatgg ngatagtaca catntcactc agagngcatn tntgcatctt 240
 ntaanatana tttcttaaaa gcctctaaag tgatcagntg ccttgatgcc aactaaggaa 300
 atttgtttag cattgaatct ctgaaggctc tatgaaagga atagcatgat gtgc 354

<210> 1619
 <211> 170
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(170)
 <223> n = A,T,C or G

<400> 1619
 ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgctc tgggactcgg 60
 agactatggc ctgcctccc caccctcctc ttggaattac aagccctggg gtttgaagct 120
 gactttatag ctgcaagtgt atctnncctt tatctggtgc ctctctcaaac 170

<210> 1620
 <211> 386
 <212> DNA
 <213> Homo sapiens

<400> 1620
 cctgttgatt gcatactgta gaagatttga tgttcagact gggttcttctt acatatacta 60
 tgtttcgtct acagttggta aatttttgtt tttctttgta ttaaattgtt aattgtattg 120
 tctggaggaa aagacagagg tctaaaaata aagaaggagt acagtttggg catggtggtt 180
 cacccttgga gtcctagcac tttgggggcc aaggcaggca gattgcttga gccaggagt 240
 tctagatgag cctgggcaac atagtgagac cccatctcta aaaaaacagt tttagggcc 300
 ggcacagtgg ctcacacctg taagcccagc actttgggag gccgaggcag gcagatcata 360
 agggcaagag attgagacca tcctgg 386

<210> 1621
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(346)
 <223> n = A,T,C or G

<400> 1621
 ccaattctgc ccgttccccg tgggcccaaca aactgggggt tgtatgcgtc tgggaacctg 60
 tgatagtctt cggcttgcca gcctggccca ccacatccac tgccctggccc acacggacag 120
 aactggcaa tggccgcagc tcctcatcaa acgtaaccag cattcggggc tgcatggcag 180

ccaccagccc atacaatata tagtgtgatt tgccatagaat aatgtttcga acatccagga 240
aagagacaag cacagtgagc agtccancca cggccacctg gtcataagc tgccggtcgc 300
tgtggtaggg gcagagggtta aggggtgccct tccctaaatg tgtcag 346

<210> 1622

<211> 366

<212> DNA

<213> Homo sapiens

<400> 1622

ggaagtttgt gctctctgcg tggctaagtt tttcacctac taggacgggg gtgggggtggg 60
gagaacaggt gtccttctaa aatacagcac aagctacagc ctgcgtccag ccataaccca 120
ggagtaacat cagaaacagg tgagaatgac cactttaact caccgggccc gtcgcactga 180
aataagcaag aactctgaaa agaagatgga aagtgaggaa gacagtaatt gggagaaaag 240
tccagacaat gaagattctg gagactctaa ggatatccgc cttactctta tggaagaagt 300
attgcttctg ggactaaaag ataaagaggg gtacacatct ttctggaatg actgcatatc 360
atcagg 366

<210> 1623

<211> 165

<212> DNA

<213> Homo sapiens

<400> 1623

ctgttgattg gctgtgacac tgcttttgtt catcttctta ccatgatcaa aggcgaagga 60
agggatctct tttgggacat tgtgattggt ttagcagaga gagaaagaga tgaaatacac 120
ttcgggttttc tcttaaaaga tgcattgtat atacagtgtc ttaag 165

<210> 1624

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1624

ccaatgcccg gagcaggccc tctttccatc cctgtcggga tgagctggtc aactatgtca 60
acaaacggaa taccacgtgg caagccgggc acaacttcta caacgtggac atgagctact 120
tgaagaggct atgtggtaac ttcttggttg ggccaagcc accccagaga gttatgttta 180
ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

<210> 1625

<211> 373

<212> DNA

<213> Homo sapiens

<400> 1625

ctgtagcttt tgtgggactt ccaactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
tacttggttg tgctttggtt ggagggtgtg gtgggtctca ctccgcctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
agtgtggcct gtttggttg aagctcctca gaggaggggt ggaacagagt gaccgagggg 240
gcagccttgg gctgacctag gacggtcagt ttgggtccct cgcggaacac ccgaagataa 300
ttagtgtgtg ctgttgagta acaatagtag tcaccttcac cttccacctg ggccccagt 360
atggtcaagg tgg 373

<210> 1626

<211> 367
 <212> DNA
 <213> Homo sapiens

<400> 1626
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
 aatacaaaaa ttagccaagt gtggtggcat atgcctgtaa tccaactac tcagaaggcc 180
 gaggcaggag aattacttga acgcaggaga atcactgcag ccctggaggc agaggttgca 240
 gtgagccgag attgcaccac tgtactccag cctgggtgac agagcaagac tccatctcag 300
 taaataaata aataaataaa aagcgtgca gtagctgtgg cctcaccctg aagtcagcgg 360
 gcccagg 367

<210> 1627
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 1627
 ctggataagg acatcaatac cttctctatg cgtgtcaggg tgtggtacgg gtatcacttt 60
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggccaaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtcttt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccetaattg gggaagcggg aggtgcacgt ctcatcgcac atgctggcag cctcaccaac 420
 ctgg 424

<210> 1628
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 1628
 tcgactgtta tagcttagaa agcaacacta ctactatgag actataaaac attaaactat 60
 tttaagaaaa ccacgctgtg gaaaaatgga gccatttttg tcaaaaagtg gctcaaagca 120
 caaaactgct cagatgttca agagtcctag gagtctgggc tgcacagtat taaggggtga 180
 gaggagaccg acagcctgtt tgaatcaggc ttgtgagccc agctcatctg acaacttcaa 240
 agagcttctc tgccatataca ttccaccgtt tagcataaga caccacttta cgctatttac 300
 aagtctcctt ttgg 314

<210> 1629
 <211> 393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(393)
 <223> n = A,T,C or G

<400> 1629
 ctggaccagc accccattga cgggtacctc tcccacaccg agctggctcc actgcgtgct 60
 cccctcatcc ccatggagca ttgcaccacc cgctttttcg agacctgtga cctggacaat 120

aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggtcg ccatcccatc 180
 atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
 agcttg 246

<210> 1638

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1638

ccaagagttc tccactgtga agactgaaag gacctggtga catttcggca tcagtcctgt 60
 taccacttgg aggtaacaga agcaggctcg tgctctcctt taattctacc aactacatg 120
 actcgcaatt ggttctgaaa ttagaacggt caccatcgta cttaaaatct taggggcatg 180
 aagagtcagc tagaacaagg aaaaagaaag tcgcaggtag taggtaagta ggtgggcaca 240
 tgaaaagcca agctgctctg tccaacacca gtgtacatgt gctttaacta aatgaactcc 300
 agaggccaac agcagcagac ctgctcaatt caccttccaa atcagaacaa gacaaaaaag 360
 ctcaggcttg agttgtcaac tatgcatagg ttccgccagt gatgaggagc tcgtaagcag 420
 gatctctact ccttctgcac aacacgatgc aag 453

<210> 1639

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1639

tttgctgttc gtgatatgag acagacagtt gcggtgggtg tcatcaaagc agtggacaag 60
 aaggctgctg gagctggcaa ggtcaccaag tctgcccaga aagctcagaa ggctaaatga 120
 atattatccc taatacctgc caccacctc ttaatcagtg gtggaagaac ggtctcagaa 180
 ctgtttgttt caattgg 197

<210> 1640

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1640

ccagagcggg gagtcccacc acctcgaaact ctgggaattc gagccacagc tctgccagta 60
 cccaagact cagcaactagt ctgatgacct gctaattcac tgacagcata gggctgtctg 120
 ttgtttttgc gcaagttggt gtgaacaaaag ttcaaatat ctggtcgaat aggagccttg 180
 aatacagcag gcaaagtgac atttttgcca gatgactccc ccttttcgga gtacaccgat 240
 atcagtgggc gagcgcacgc catggcggac ctcggccg 278

<210> 1641

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1641

ccattgttcc cgtgcatcga agcttgcagg cagcttcagg tcctcggtaa acataactct 60
 ctgggggtggc ttggggccac ccaggaaggt accacatagc ctcttcaagt agctcatgtc 120
 cacgttgtag aagttgtgcc cggcttgcca cgtggtattc cgtttgttga catagttgac 180
 cagctcatcc gacaggggat ggaaagaggg cctgctccgg gcattgg 227

<210> 1642

```
<210> 1646
<211> 433
<212> DNA
<213> Homo sapiens
```


tatctctatg attgg

435

<210> 1650

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1650

```
ccatgtctgt attgtaactg gtaaaaggct tcaagtcaga ttgatgatca agaaaagtca 60
aaaccccagc ccaagattgg gaaagcaggt ggtggttcca agctttttaa aaattattga 120
agctctccat cctgttctgt gagtgtgtct tctctttctc cttcacgtca tagccgtgac 180
ccaccgttca tctctgtctt tgcgtaaaga tgaccgatgg agtccaaagc caagtggctt 240
caccag                                     246
```

<210> 1651

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(400)

<223> n = A,T,C or G

<400> 1651

```
cggcaagttc tcccaggaga aagccatggt cagttcgagc gccaaagaccg tgaagcccaa 60
tggcgagaag cccgacgagt tcgagtcagg catctcccag gctcttctgg agctggagat 120
gaactcggac ctcaaggctc agctcaggga gctgaatatt acggcagcta nngaaattga 180
agttggtggt ggtcggaaag ctatcataat ctttgttccc gttcctcaac tgaaatcttt 240
ccagaaaatc caagtccggc tagtacgoga attggagaaa aagttcagtg ggaagcatgt 300
cgnctttatc ggctcagagg aggaattctg cctaagccaa ctcnaaaaag ccgnacnaaa 360
aattanngca aaaagcgtnc caggagccgt nctctgacag                                     400
```

<210> 1652

<211> 338

<212> DNA

<213> Homo sapiens

<400> 1652

```
ctgggggtgc ccatcttctg tgctctgtgg tacatatctg tgcgcgcaaa gtagcgtgcc 60
cggtagacga agccttcctt ctgctgcttc tccttcacgc agttgttccg gaggttggcg 120
atataatcat cttccacatt ccgctcgact gttttgaggc tggagcctgt gtactcttcg 180
gagaaagtgt ctcccacata gtagacgaca cccaggtggt cagtgactcg cctgtggatg 240
tggtccacag acggtcttgg actcagactg taggggtggac tggagaccat gagctggctg 300
agagctgaca cgagaatcag gatgaggata ggcacacag                                     338
```

<210> 1653

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1653

```
ggcgtggagc cgccaccaaa atgcagattt tcgtggaaac ccttaacgggg aagaccatca 60
ccctcgaggt tgaacctcgc gatacgatag aaaatgtaaa ggccaagatc caggataaag 120
```

aaggaattcc tcctgatcgg cagagactga tctttgctgg caagcag

167

<210> 1654
 <211> 1034
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1034)
 <223> n = A,T,C or G

<400> 1654
 atgcatgctc gagcgggccgc cagtgtgatg gatatctgca gaattcgccc ttagcgtggg 60
 cgcgcccgag gtccaagagg gagataaac aaacttctca aacaaaaaga aaagaaaaac 120
 gaatgattca tctgctttaa tcagtgtgat taatgcagca cccattgccc cggaaccgt 180
 ttctgctgta ctatctggat actaaaatgt tacggaagta gctctttgtt ctccctcact 240
 ctgccccttag ttaatagaaa ttcagactcg ccaagtaagg ctttgtgcat agtgtcttca 300
 tgtcgcgtat agttgagcgc gttcttagca gttggcttca tggacagctc attagtgttt 360
 tgacttttct taccagcgt taattgaatt cttgctttta gacaacttcc tttttgtagt 420
 ggtgaacctt gccctttagt acagttcaag tgaatctgga taattgttca tctttgcttt 480
 agcttagata ccatgtagtg gtctgtggct acaggaagct ggttctgtct gcttccacag 540
 tctgcttaaa aaactgtctg acttcgtgaa tatagagacc aagtttacca cttctgatga 600
 agagaccaat taagattcat tctcattct gtttctttcc agtgggagaa gagtccccat 660
 gaaataagat gaaactgatt ccatgcaacta gtacatgtag gcttctccct tgcgcaaagc 720
 ttaacaattt gtaggaaaact ttgggtcttt ttgtcccaag aaaaaggaat gtcttgacag 780
 gcttaaagct tttcgtcccc ttgcacctta aaactcgaaa gttaggnaaa atccctttaa 840
 agggcttttt ttaatagcca gaacttccca aaaggaatgg cnttttaggg aatttcntag 900
 ccatngcttt ttaaatttaa agaaattttt aanaaccttg cccnnggggn ggggncccg 960
 tccaaaaagg gnggnaaaaa ttccccagcc nacctttng gggggggccn cgttttcctt 1020
 tnnngggggg aanc 1034

<210> 1655
 <211> 487
 <212> DNA
 <213> Homo sapiens

<400> 1655
 atgcatgctc gagcgggccgc cagtgtgatg gatatctgca gaattcgccc tttcgagcgg 60
 ccgcccgggc aggtcctact cttctccgtc cattgtacta tctgccgtg gtggggatgg 120
 cagtaggatc atatttgatg acttccgaga agcatattat tggctccgtc ataatactcc 180
 agaggatgag aaggtcatgt cctggtggga ttatggctat cagattacag ctatggcaaa 240
 ccgaacaatt ttagtgagca ataacacatg gaataatacc catatttctc gagtagggca 300
 ggcaatggcg tccacagagg aaaaagccta tgagatcatg agggagctcg atgtcagcta 360
 tgtgctggtc atttttggag gacctcggcc gcgaccacgc taagggcgaa ttccagcaca 420
 ctggcgcccg ttactagtgg atccgagctc ggtaccaagc ttggcgtaat catggtcata 480
 gctgttt 487

<210> 1656
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(514)
 <223> n = A,T,C or G

<400> 1656
 atgcatgctc gagcgggccc ccagtgtgat ggatatctgc agaattcgcc cttancgtgg 60
 tcgcgggccga ggtcctaccc ataatccaga gaggcttgcc cagaggagga ctacgtgggg 120
 gacgtgccac cagaacccta cttgggggcg ggatgtcact ccgaggtcaa aacctgctcc 180
 gaggtggacg agccgtagct ccccgaaatgg gcttaagaag aggtggtgtt cgaggtcgtg 240
 gaggtcctgg gagagggggc ctagggcgtg gagctatggg tcgtggcgga atcggtggtg 300
 gaggtcgggg tatgataggt cggggaagag ggggctttgg aggccgaggc cgagggccgtg 360
 gacgagggag aggtgccctt gctcgccctg tattgaccaa ggagcagacc tgcccggggcg 420
 gccgctcgaa gggcgaaatt cagcacactg gcggccgtta ctagtggatc cgagctcggg 480
 accaagcttg gcgtaatcat ggtcatagct gttt 514

<210> 1657
 <211> 605
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(605)
 <223> n = A,T,C or G

<400> 1657
 atgcatgctc gagcgggccc cagtgtgatg gatatctgca gaattcgccc ttctgagcgg 60
 ccgcccgggc aggtccanac gctgacattg nttctgagtc ctttaagcagg aaggatttga 120
 aatcctggag cttggcagtc ttgtcttca cctotaagcc aatgttgacc ctttcatcta 180
 taaagtccac aactctccgg aagtcacct caccggaactg tcgagaagtt aaggctgggg 240
 ccccaagccg caggccgccc ggtgtgatgg cacttcggtc tccaggacag gtgttcttgt 300
 tggcagtgat ggatacaage tctagcaccg gctcagccc agctccatcc aggccotttg 360
 gccgcaggtc caccagcacc aggtggttgt cagtaccacc tgataccagt gagtagcctc 420
 gccttagcag ggcattctgcc atggcccagc cattcttcag aacctgcagg gagtactccc 480
 ggaacatggg ggtgcaggac ctccggcccg accacgctaa gggcgaaatt cagcacactg 540
 gcggccgtta ctagtggatc cgagctcggg accaagcttg gcgtaatcat ggtcatagct 600
 gtttc 605

<210> 1658
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(784)
 <223> n = A,T,C or G

<400> 1658
 agnnttccgn cggccctcna gntgcatgct cgagcgggccc cgcagtgaga tgnatatctg 60
 cagaattcgc cttancgtg ggcgnangca tgacgctcgg gatcagaact aaaacaagtg 120
 agatcacccc tctaattatt tctgaactng gttaataaaa gcttataaga tttttatgaa 180

```
<210> 1659
<211> 789
<212> DNA
<213> Homo sapiens
```

<400> 1659						
tnngncectc	tagatgcang	ctcgagcggc	cgccagtgtg	atggatatct	gcagaattcg	60
cccttagcgt	ggtcgcggcc	gaggtccatt	aaagataagt	ttggctaact	attttactga	120
agagactaat	ggtcttccct	ctgttgtagt	gctatgtttc	ttgatctgtt	tttccccaat	180
gtaacagtc	acattgaagt	cttttagctc	tctccatata	ctaattgaca	tttgtaagg	240
attcaatatt	ttgtgaattc	tttttaccct	taaaatgc	atctttcaga	gagataagaa	300
tgaattttgc	aataatttat	atgcagagtg	tgcttatggg	tttctgggag	ttcaagttag	360
taccccagag	tgcttaaaa	tacgatgcta	aattctaagg	ctaattgta	gactgtagat	420
tatctatgtc	cacattgttc	aacagaaa	taatgtgaac	cacaacata	tttttaattt	480
tctagtagcc	atattaaaa	agaaacaagc	aaaattaatt	ttaataacag	tttatgtaac	540
ccagtatatt	aaaaatatca	tttcaacatg	taatcaatat	aaaagattat	taatgaaaca	600
cottatcctc	tttttcttcc	atgctaagtc	ttagatttga	gtgtattttg	cactcacagc	660
acatctcaat	tctgactgga	cctgcccggg	cggcgctc	aaagggcgaa	ttccagcaca	720
ctggggcgcc	gttactagtg	gatccgagct	ccggtaccaa	gcttggcgta	atcatggtca	780
tagcttttt						789

```
<210> 1660
<211> 559
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(559)  
<223> n = A,T,C or G
```

<400>	1660						
ccnccgccc	tagatgc	ctcgagc	cgccagt	atggatat	gcngaatt	cg	60
cocctttcc	cggcgcc	ggcaggt	ccacagac	ttct	tggtgc	ctg	120
atgtgaagt	aaaaatat	ccaaagtc	cttac	acccaaaat	agggctc	gtac	180
gcttttagc	tctctttta	ccataagac	att	ctggagaaa	aaaaagaaa	aa	240
aatcaagtt	taaacacac	atgt	tttgc	aaagcaac	caaatc	taaaaa	300

```
gcataaacta tgngtccaaa tgnaaaaggn attacagaac aaactgcaag aggggaaaaat 360
taaagccnca ctgaacgaaa aaatacagta tgtctaacat tttggaattg naattttaaac 420
cctaagggca aaagctgaaa aatcatgctt anacctnggn cgngaccacn ctaagggcga 480
attccancac actggcggn c gttactagt g gatccnanc c ggtaccaag cttggcgtaa 540
tcctnggcat agctgtttc 559
```

```
<210> 1661
<211> 453
<212> DNA
<213> Homo sapiens
```

```
<400> 1661
ttggggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttttcgag cggccgccccg ggcaggtctg cagtgtccct ttttatatca tgctagtgtt 120
gagacatact tgactaactt gggaacagtt cgatatattg acaaccgtca acttaagaaa 180
atcaacagct tttggcccca gcgctccaag gaacttttca tggagtgcag aatctcaaat 240
ggacaaaata ctttgtcttt ttaaatactg aaaaattaat tattagtact atgactgaaa 300
gattcttcat ggctaaaaag ctctgcatca aactcaattc aggaggacct cggccgcgac 360
cacgctaagg gcgaattcca gcacactggc ggccgttact agtggatccg agctcggtac 420
caagcttggc gtaatcatgg tcatagctgt ttc 453
```

```
<210> 1662
<211> 809
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(809)
<223> n = A,T,C or G
```

```
<400> 1662
ctcgagcggc cgccantgtg atggnatatct gcagaattcg cccttancgg ccgcccgggc 60
aggtccttag ccaaagaatg cagtggagcc ttccccnngg ggctgcattg tgaatgaata 120
ccaattgaca gcataaaaat taatagtccc atatcagatc tggaaggggt ttctggggct 180
gtctgatgtc cctatcctgt tgtagtgaac acaatagcag aaaattcttt ctgggtccat 240
ctgctataaa gtcttggtaa aacagcatta ctatgaagag gatgaactca cctaccttca 300
natggaggaa aagtgaagaa gacttaggct ttagtcctcc atgacttttc ttaagcacta 360
cctacctgta ataagctgag tgcaaaagga tgccgaagaa aatctgcacc cagaagctgt 420
tagaaagcac tgcaagangaa cagggnatga ataaaataaa nagntcttaa taaaccctta 480
agattctttg ntcaaggggn actttgcgaa aaggggcaga atangnggn aaagagttgc 540
ttttaatcta gctctacact ggcntttgaa aataaaaattt gccatttng aaatatatng 600
ggntataatt aaaatgnggc tttttacact ggnggggcta tataaaaact gggtagnnaa 660
atttccaccg agcatntatg gngatttgnt cacagnaaac ctccgggcng gacccacgct 720
aagggnggaa ttccagcnac antggggggg ncngntacct anagtggatc ccnagnctng 780
gggnccccna anctttgggg gngtnaatc 809
```

```
<210> 1663
<211> 585
<212> DNA
<213> Homo sapiens
```

```
<400> 1663
ttggggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
```



```

cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacggg tgatgaagat 120
gatatctaca aggctaataa cattgcctat gaagatgtgg tcgggggaga agactggaac 180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat 240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag 300
gaagaagatc ttcggaaaga gagtaaagac caactctcag atgatgtctc caaagtaatt 360
gcctatttga aaaggttagt aaatgctgca ggaagtggga gggttacagaa tgggcaaaaat 420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctcatgtat ttatcagacc 480
tcggccgcga ccacgctaag ggcgaattcc agcacactgg cgcccgttac tagtggatcc 540
gagctcggta ccaagcttgg cgtaatcatg gtcatactg tttcc 585

```

```

<210> 1664
<211> 999
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(999)
<223> n = A,T,C or G

```

```

<400> 1664
ancnngctcn agcgcccgcc antgtgatgg atatctgcag aattcgccct ttcgagcggg 60
ccgcccgggc aggtctgaca atngattaaa caggcgacat gcaaccccca ctaagggttaa 120
aagtccaaaa ctactcacac gcatctcttn attggggaaa agctgagact attatncatt 180
cttggtagnc ttgcaacctt gcatgaagag caccatttgc atttctttca tctttcagaa 240
agcaccggta tctgttccaa ggnctaaaca gtaacnaaaat acnttntggg attacacctt 300
tnaaacccaa nactgtntc attaaaaata attttgntt gtaacaaaat tatgaaatac 360
aatgcaagca cctnggtata gcattattac tgaaaccact taattcccag ctttttgagt 420
tttttaaaaa aaccactgc actaagattc acaattcatt gctacatata aattaaagct 480
agtaagaaca cactaacgct acaagtttct cattctaaag tgcnaaancc ntaatngtct 540
ngaaagtgga acaggggtaa agggcaaaaa ttaacccccc ccacccaat taaagtttcc 600
tggaangtca ntantntttt naatcccaa aggnnncatt tctnttttaa aaaattggnt 660
acctttgga ctggggtaaa gnaaaatnag gaacccctgg gnggtttttt ttatnttttc 720
ttnaanccaa ccccccaatt ccaccttaaa aacccccacc cggggggangg ccaaaangnc 780
cacccttgng gaaacncttt tngtgggggn cccggtcgna aaaccaacc nccctntaaa 840
aagggggggt cgnaaaaaa tttctccna aganaaaacc acctttgggg cgnggggacn 900
cgntttacc nttaaatgg gggaattcc ccgaaagcgt ttgggggtaa ccccaaaaga 960
cctttggggg gggaaaaatg aatgggggnc cattaaccn 999

```

```

<210> 1665
<211> 27
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> PCR primer

```

```

<400> 1665
gctaaagggtg accccaagaa accaaag

```

27

```

<210> 1666
<211> 37

```

<220>
<223> PCR primer

37

```
<210> 1667
<211> 207
<212> PRT
<213> Homo sapiens
```

<400>	1667															
Met	Gln	His	His	His	His	His	His	Ala	Lys	Gly	Asp	Pro	Lys	Lys	Pro	
1				5					10					15		
Lys	Gly	Lys	Met	Ser	Ala	Tyr	Ala	Phe	Phe	Val	Gln	Thr	Cys	Arg	Glu	
			20					25					30			
Glu	His	Lys	Lys	Lys	Asn	Pro	Glu	Val	Pro	Val	Asn	Phe	Ala	Glu	Phe	
		35					40					45				
Ser	Lys	Lys	Cys	Ser	Glu	Arg	Trp	Lys	Thr	Met	Ser	Gly	Lys	Glu	Lys	
	50					55					60					
Ser	Lys	Phe	Asp	Glu	Met	Ala	Lys	Ala	Asp	Lys	Val	Arg	Tyr	Asp	Arg	
65					70					75					80	
Glu	Met	Lys	Asp	Tyr	Gly	Pro	Ala	Lys	Gly	Gly	Lys	Lys	Lys	Lys	Asp	
				85					90					95		
Pro	Asn	Ala	Pro	Lys	Arg	Pro	Pro	Ser	Gly	Phe	Phe	Leu	Phe	Cys	Ser	
			100					105					110			
Glu	Phe	Arg	Pro	Lys	Ile	Lys	Ser	Thr	Asn	Pro	Gly	Ile	Ser	Ile	Gly	
		115					120					125				
Asp	Val	Ala	Lys	Lys	Leu	Gly	Glu	Met	Trp	Asn	Asn	Leu	Asn	Asp	Ser	
	130					135					140					
Glu	Lys	Gln	Pro	Tyr	Ile	Thr	Lys	Ala	Ala	Lys	Leu	Lys	Glu	Lys	Tyr	
145					150					155					160	
Glu	Lys	Asp	Val	Ala	Asp	Tyr	Lys	Ser	Lys	Gly	Lys	Phe	Asp	Gly	Ala	
				165					170					175		
Lys	Gly	Pro	Ala	Lys	Val	Ala	Arg	Lys	Lys	Val	Glu	Glu	Glu	Asp	Glu	
			180					185					190			
Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu		
		195					200						205			

```
<210> 1668
<211> 636
<212> DNA
<213> Homo sapiens
```

<400>	1668						
catatgcagc	atcaccacca	tcaccacgct	aaaggtgacc	ccaagaaacc	aaagggcaag	60	
atgtccgctt	atgccttctt	tgtgcagaca	tgcagagaag	aacataagaa	gaaaaaccca	120	
gaggtcctct	tcaatttttg	ggaatttttc	aagaagtgtc	ctgagaggtg	gaagacgatg	180	
tccgggaaag	agaaatctaa	atttgatgaa	atggcaaagg	cagataaagt	gcgctatgat	240	
cgggaaatga	aggattatgg	accagctaag	ggaggcaaga	agaagaagga	tcctaattgt	300	

cccaaaaaggc	caccgtcttg	attcttcttg	ttctgttcag	aattccgccc	caagatcaaa	360
tccacaaacc	ccggcatctc	tattggagac	gtggcaaaaa	agctgggtga	gatgtggaat	420
aattttaaag	acagtgaaaa	gcagccttac	atcactaagg	cggcaaagct	gaaggagaag	480
tatgagaagg	atgttgctga	ctataagtcg	aaaggaaagt	ttgatggtgc	aaaggggtcca	540
gctaaagttg	cccggaaaaa	ggtggaagag	gaagatgaag	aagaggagga	ggaagaagag	600
gaggaggagg	aggaggagga	tgaataatga	ctcgaag			636

<210> 1669

<211> 2821

<212> DNA

<213> Homo sapiens

<400> 1669

ccacgcgtcc	gcgcgcgcgc	gcgcagggga	ggcgagagggc	gccccccggt	ggagagcctg	60
agccccgcgc	aagtctggcg	gcacctggcg	agcgagagccg	gagtcgggct	ggggaccgcg	120
gggttgaggc	cggaccgcgc	cggggtcggg	ggagaaacgc	gcgctgccct	ggcacggggc	180
ccaaccccc	ggccgcgcgc	aatggtatgg	cccgcccgga	gttaaggccg	gggggagggc	240
gcgagtcctg	cggcggcgcg	gacgatgggg	ctgctgtcag	gaggaacgct	gggcagggcc	300
ggcgcggtgc	ggggggcgcc	cgagggggcc	gggcccagcg	gcggcgcgca	gggcggcagc	360
atccactcgg	gcccgcctgc	cgcggtgcac	aacgtgccgc	tgagcgtgct	catccggccg	420
ctgccgtccg	tgttggaacc	cgccaaggtg	cagagcctcg	tggacacgat	ccgggaggac	480
ccagacagcg	tgccccccat	cgatgtcctc	tggatcaaag	gggcccaggg	aggtgactac	540
ttctactcct	ttgggggctg	ccaccgctac	gcggccctacc	agcaactgca	gcgagagacc	600
atccccgcc	agcttgtcca	gtccactctc	tcagacctaa	gggtgtacct	gggagcatcc	660
acaccagact	tgcatagca	gcctccttgg	cacctgctgc	caccttcaag	agcccagaag	720
acacacctgg	cctccagcag	gctgggccat	gcagaaggga	tagcaggggt	gcattctctt	780
tgacactggc	gagagggtct	gactctgggc	acccctctca	ccggctacaa	ggccttggac	840
tcactgtaca	gtgtgggagc	cccagttccc	acctctgtga	caataggatc	atggccttac	900
ccttgaagca	ttaccgagaa	ggagaacaga	gatgggcttg	aagagccacg	tgctgccggc	960
tccaaattcc	caaggacaag	gatccctctg	catttttgtc	tatgtaacct	cttatatgga	1020
ctacattcag	ctgcaaggaa	aggaaaacct	tgattgcagt	ggtttaaaaca	aacagaagat	1080
tgtttttcca	catagcatgg	attctggaga	tgggtggcta	atggtatttg	ttcaacaact	1140
ccacgaaggt	aggggtcacg	tcttggatcc	ttttgcctta	atctcagtgc	tcgttacttc	1200
atggtcccaa	gatggctgct	gtatcccca	gaatcatgtc	tgcgttcaag	gaaggagggg	1260
tgagggaaga	ggaagggcc	aactagctgg	accgctcacc	ttctatcaga	aagtaaaacc	1320
tcgtcagaag	tctgtttcct	gctctctccc	tctgcatatc	ttcacttaga	tgcccttggc	1380
ccgagccagc	taccattgca	cctctagctg	caaacaaagc	taagacagca	gggaacagaa	1440
ttgtcatggc	tgaatagacc	aatcgtgttc	catctactga	gactggcaca	ctgcctcctg	1500
caataaaact	gggatcccat	taccaagaga	gaaatgcaga	attgtgtacc	agttagcttt	1560
tgctgtgtaa	caaaccatcc	ccaaacttgg	cagctagaaa	caaaccctgt	attttcccac	1620
aatcctatgg	gttggcaatt	tgggctgggc	tcaacagggc	agttctgctg	ctcacacctg	1680
ggatccctca	tgagctaag	gtcagctgtt	acctcagctg	ggcctggatg	gtctaggata	1740
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atgtggcctc	tccagcaggc	tagctcaggc	ttattcacat	gatggcttca	ggattccaaa	1860
gagagtgaga	gtagaagctg	aaagacttct	tgagttcctg	gcctggaact	gggactagga	1920
cagtgtcact	tctgtctaagt	tcttttggtc	agagcaaatac	acaaggcttt	accagatttc	1980
aagggatgag	aaacagacta	catgtcttga	tgaggggaac	cacaaagagc	ttgtggccat	2040
ttttcaccta	tcacaaataa	ttttggatgg	gtatttat	ggataaaggt	atttccctct	2100
tccccctttc	tctctgtctc	atggggcctc	actctgccaa	gttggaaggc	actaagacat	2160
tgtcctggcc	ctcagggtct	aggggaagag	gtgttggggc	aggaagttag	tctctccatg	2220
ggctggaccc	actgtagtag	gagtgcctcc	ttgtctgcac	tgctgggtatg	gggttagggc	2280
aggtaggaca	ttccagaggg	gcttctgaaa	accaagagtc	cctggggaaa	gggaacagag	2340
taaggcaggc	cttgttctca	ctgccctcta	agggaacttg	gtcactcggc	acttttaagc	2400

ctcagttttct	ccagtttcaat	aataaggaca	agagcttttc	ccatgcattc	tctttccocg	2460
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tgggcatcct	ggattgggtc	ttggaacaaa	aacaggacat	tagtgggaaa	attggaaatc	2580
tgaaaaaagt	ctgaatttta	gttaatatac	caatttcagt	ctcttggttt	tgacagatgt	2640
accatggtga	tgtaagatgt	tgaccttggg	gtaggctggg	tgaagggtat	acaggaactc	2700
tttgtactat	ctctgcaact	tctctgtaaa	tctagtatca	ttccaaaata	aaagttttatt	2760
taattttaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2820
a						2821

```
<210> 1670
<211> 137
<212> PRT
<213> Homo sapiens
```

```

<400> 1670
Met Gly Leu Arg Ala Gly Gly Thr Leu Gly Arg Ala Gly Ala Gly Arg
      5              10              15

Gly Ala Pro Glu Gly Pro Gly Pro Ser Gly Gly Ala Gln Gly Gly Ser
      20              25              30

Ile His Ser Gly Arg Ile Ala Ala Val His Asn Val Pro Leu Ser Val
      35              40              45

Leu Ile Arg Pro Leu Pro Ser Val Leu Asp Pro Ala Lys Val Gln Ser
      50              55              60

Leu Val Asp Thr Ile Arg Glu Asp Pro Asp Ser Val Pro Pro Ile Asp
      65              70              75              80

Val Leu Trp Ile Lys Gly Ala Gln Gly Gly Asp Tyr Phe Tyr Ser Phe
      85              90              95

Gly Gly Cys His Arg Tyr Ala Ala Tyr Gln Gln Leu Gln Arg Glu Thr
      100             105             110

Ile Pro Ala Lys Leu Val Gln Ser Thr Leu Ser Asp Leu Arg Val Tyr
      115             120             125

Leu Gly Ala Ser Thr Pro Asp Leu Gln
      130             135

```

```
<210> 1671
<211> 109
<212> PRT
<213> Homo sapiens
```

```

<400> 1671
Met Ala Arg Pro Glu Leu Arg Pro Gly Gly Gly Gly Glu Ser Arg Gly
                    5                      10                      15

Gly Gly Asp Asp Gly Ala Ala Cys Arg Arg Asn Ala Gly Gln Gly Arg
          20                      25                      30

```

Arg Gly Ser Gly Gly Ala Arg Gly Ala Arg Ala Glu Arg Arg Arg Ala
35 40 45

Gly Arg Gln His Pro Leu Gly Pro His Arg Arg Gly Ala Gln Arg Ala
50 55 60

Ala Glu Arg Ala His Pro Ala Ala Ala Val Arg Val Gly Pro Arg Gln
65 70 75 80

Gly Ala Glu Pro Arg Gly His Asp Pro Gly Gly Pro Arg Gln Arg Ala
85 90 95

Pro His Arg Cys Pro Leu Asp Gln Arg Gly Pro Gly Arg
100 105

<210> 1672

<211> 145

<212> PRT

<213> Homo sapiens

<400> 1672

Met Gly Leu Lys Ser His Val Leu Pro Ala Pro Asn Ser Gln Gly Gln
5 10 15

Gly Ser Leu Cys Ile Phe Val Tyr Val Thr Ser Tyr Met Asp Tyr Ile
20 25 30

Gln Leu Gln Gly Lys Glu Asn Leu Asp Cys Ser Gly Leu Asn Lys Gln
35 40 45

Lys Ile Val Phe Pro His Ser Met Asp Ser Gly Asp Gly Trp Leu Met
50 55 60

Val Leu Val Gln Gln Leu His Glu Gly Arg Gly His Val Leu Asp Pro
65 70 75 80

Phe Ala Leu Ile Ser Val Leu Val Thr Ser Trp Ser Gln Asp Gly Cys
85 90 95

Cys Ile Pro Lys Asn His Val Cys Val Gln Gly Arg Arg Gly Gly Gly
100 105 110

Arg Gly Arg Ala Lys Leu Ala Gly Pro Val Thr Phe Tyr Gln Lys Val
115 120 125

Lys Pro Arg Gln Lys Ser Val Ser Cys Ser Leu Pro Leu His Ile Phe
130 135 140

Thr
145

FEEDBACK


```

ctgaggaaac gtctctccca ctgtttgtac tctcaccttc attcttcaat tcagtctagg 1080
aaaccatgct gtttctctat caagaagaag acagagattt taaacagatg ttaaccaaga 1140
gggactccct agggcacatg catcagcaca tatgtgggca tccagcctct ggggccttgg 1200
cacacacaca ttctgtgtgt ctgctgcatg tgagcttgtg ggtagagga acaaatatct 1260
agacattcaa tcttcaactct ttcaattgtg cattcattta ataaatagat actgagcatt 1320
caatgtgaaa aaaaaa                                     1336

```

<210> 1677

<211> 250

<212> PRT

<213> Homo sapiens

<400> 1677

```

Met Asn Ser Met Thr Ser Ala Val Pro Val Ala Asn Ser Val Leu Val
      5                                10                                15

Val Ala Pro His Asn Gly Tyr Pro Val Thr Pro Gly Ile Met Ser His
      20                                25                                30

Val Pro Leu Tyr Pro Asn Ser Gln Pro Gln Val His Leu Val Pro Gly
      35                                40                                45

Asn Pro Pro Ser Leu Val Ser Asn Val Asn Gly Gln Pro Val Gln Lys
      50                                55                                60

Ala Leu Lys Glu Gly Lys Thr Leu Gly Ala Ile Gln Ile Ile Ile Gly
      65                                70                                75                                80

Leu Ala His Ile Gly Leu Gly Ser Ile Met Ala Thr Val Leu Val Gly
      85                                90                                95

Glu Tyr Leu Ser Ile Ser Phe Tyr Gly Gly Phe Pro Phe Trp Gly Gly
      100                                105                                110

Leu Trp Phe Ile Ile Ser Gly Ser Leu Ser Val Ala Ala Glu Asn Gln
      115                                120                                125

Pro Tyr Ser Tyr Cys Leu Leu Ser Gly Ser Leu Gly Leu Asn Ile Val
      130                                135                                140

Ser Ala Ile Cys Ser Ala Val Gly Val Ile Leu Phe Ile Thr Asp Leu
      145                                150                                155                                160

Ser Ile Pro His Pro Tyr Ala Tyr Pro Asp Tyr Tyr Pro Tyr Ala Trp
      165                                170                                175

Gly Val Asn Pro Gly Met Ala Ile Ser Gly Val Leu Leu Val Phe Cys
      180                                185                                190

Leu Leu Glu Phe Gly Ile Ala Cys Ala Ser Ser His Phe Gly Cys Gln
      195                                200                                205

Leu Val Cys Cys Gln Ser Ser Asn Val Ser Val Ile Tyr Pro Asn Ile
      210                                215                                220

```


Ser Tyr Ser Ser Glu Ile Gln Ala Asn Lys
245 250

```
<210> 1678
<211> 177
<212> PRT
<213> Homo sapiens
```

<400> 1678
Thr Arg Pro Arg Arg Ala Ala Gln Gly Arg Arg Glu Ala Pro Pro Gly
 5 10 15

Gly Glu Pro Glu Pro Arg Ala Ser Leu Ala Ala Pro Gly Glu Arg Ser
20 25 30

Arg Ser Arg Ala Gly Asp Arg Gly Val Glu Ala Gly Pro Arg Arg Gly
35 40 45

Arg Gly Arg Asn Ala Arg Cys Pro Gly Thr Gly Pro Asn Pro Pro Ala
50 55 60

Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly Gly Gly Gly
65 70 75 80

Glu Ser Arg Gly Gly Gly Asp Asp Gly Ala Ala Cys Arg Arg Asn Ala
85 90 95

Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala Arg Ala Glu
100 105 110

Arg Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His Arg Arg Gly
115 120 125

Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala Val Arg Val
130 135 140

Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro Gly Gly Pro
145 150 155 160

Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg Gly Pro Gly
165 170 175

Arg

```
<210> 1679
<211> 42
<212> PRT
```

<213> Homo sapiens

<400> 1679

```

Leu Val Cys Cys Gln Ser Ser Asn Val Ser Val Ile Tyr Pro Asn Ile
 1           5           10           15
Tyr Ala Ala Asn Pro Val Ile Thr Pro Glu Pro Val Thr Ser Pro Pro
          20           25           30
Ser Tyr Ser Ser Glu Ile Gln Ala Asn Lys
      35           40

```

<210> 1680

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(717)

<223> n = A,T,C or G

<400> 1680

```

aaaagaattt ttgcttttctt tntctctaaa ttttccttcc gtgctttgat gggggctcgt 60
ttctcacgtt ccagtctggg aaaatgggtcc acataaggca aggcaaagaa tcgtttccta 120
ttgtatcttt tatttaggtg ccaaggtata acccactgct tgaacttggt ccagatgatt 180
cttccaaaga tgtctcttct ccaagcacca ggtctagctc tttcttgacc agtctgaaga 240
agccttaggg catcttctct ttcttgga caacttatcta atgcatccat ggaatctact 300
accttatcta accgctctgg acttggcatt ggcaatctct gccgcttggc ctctgtctct 360
agggttagaa gcatgtttct ttctttcagt aagacatacc aaagtgtgtg taaatcttca 420
ttacttttgt tccttagttg ctgacagggt catgctgctc cagattttac tttttcttgc 480
ccccagtttt ttgggtcatc aaaaaattct tctagtcctt tccttgacaa tgtggtatga 540
agtaatctat attggtgaaa ggatgtcaca ttgtgtgtac tcttangcaa caaactaaga 600
aaaaaccctg tcaggcaggg acctgaggag ttattaacga accgggaaga attcagggcg 660
gatgaaactc tcctaccaag aaagggncaa accgggccgc agccatgttt tccnctat 717

```

<210> 1681

<211> 305

<212> DNA

<213> Homo sapiens

<400> 1681

```

ctgtacattt aacaaaatat gtgcaagact gtcatggtga aaactacaaa acaatgataa 60
aagaaattca agaaaacaaa taaatacagg ggtatactat attcatgaat tgggagaatc 120
aatatcatta ttaagtctcc tcagattgat ctatagattc acagaaatcc caattcaaac 180
cctatcagga ctattttagt aaatagacac actgatgata aaatttacat agaaacacaa 240
aggaagcaga atagccaaaa attattgggg aaaaaatgta gttgaaggat tccattact 300
ccttt

```

<210> 1682

<211> 498

<212> DNA

<213> Homo sapiens

```

<400> 1682
aaattacact ccataaattt agacatatgt ctctccaagt aagtacgagc tgattgggaa 60
cgggctccaa tggacatggc tctgcagtca aaatagttag cagatggaca ggtttggaaa 120
atgtgagggc ccataatcatc ataaccagca ataaggagac caacaccata tgggtctcgg 180
ccatatcggt gtgttgggtat ctgggtctct tagactgggt aacgagcttg ttttaacaag 240
gaatgaagta ctgtctttat tttcaaatta tacattatta acaaaggtct ctggcttatt 300
ctttaattgt tgcataatcc accagagaaa taatgcaata ggacactatt tctttggcct 360
aatataaaat gtttgacttt ctaccgaacc taagaaagag tgccagcaaa ataatttctt 420
cccactaaa acctgatttg ttttggatac aagggggtct aggatttctt gggacatcta 480
gaaccattaa gaaacttt 498

```

```

<210> 1683
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<400> 1683
aaaaattaaa aatagcacia ttctacaatt ctgattttac caagaaaata aacctttttt 60
ggcacatatt atcctatgaa aatggaaagc tgagtcaggc tgctctgctt ttcacagcac 120
aaataagcat tcatgctatc agacttggga aattaactcg gtgacaaaaa ttcactggaa 180
aatagaatcc ttggaaaaat ggggtcaggc gccatccact gagaggcaat gataatgtgt 240
gtccttcggt attagcacia agttaggcag cacactataa ttttagctac atgcaactct 300
ataggaacac atgtgggtaa gg 322

```

```

<210> 1684
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 1684
aaaagatgct gtttccctgt tttcttccag gaacacagag accaacacgg nttaaacac 60
agggcgagct tctcactatt tcttggaat gttacttctc agcccaacac ttctcttccc 120
aagaagttca agttttgaga ctgtttttct ccccggaaca gtacttaaaa aaaaaaaaaat 180
cnttgatntt caaanatggg ttnttttctg gtcttggaan agcatcagta actaaatctc 240
aagtnttcca caatgctgcc cccctggggg ggctaaccgg atgccaaggg aga 293

```

```

<210> 1685
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<400> 1685
aaattgtcta actcctatcc cagtttcttt ttatagtcta aaaacaagga atcaccacaa 60
taagatactc cttcagagca ctgctgaaaa cggatcaaac gtagagatcc ccagatcccc 120
tgttctcaag tgtaaaaaat attttatatt agcacataga atacccttag atatattctg 180
ttatgttcta aagagtttgt gtttccccct ttttgatgat gtcttcaatt tcttctgaga 240
cctttcctgt atagtcattt ggttctattg cttttaactt ctcttgatac tccagcggca 300
aaccattttc ttttgcaccc atgcaataaa tctttttata ctgtggggat gggggagcac 360

```

tttcgtaatt tgtcatcaga taacttcgac

390

<210> 1686

<211> 549

<212> DNA

<213> Homo sapiens

<400> 1686

```

gggtccagtc caacctgctc ctcatatttg taaacatgtg cagaatcaat atggtggaac 60
ccggcttcta ttgccaatTT gacggcctct agagctttac ttttaggaac ctggggggagc 120
aaccaaacgt aatattttct gactaatgtg cctgagagtt agttcgggca caagcagcaa 180
cgttcacaaa aatcagcttt tcctcctttc ttggatgagc tctgtatgta gaatcataag 240
cccatcccag tctgactggg tctttcccat ttagtaataa aggttgggca tagcaggaac 300
ttctgcagtc ccagaaaaat cactgaaagt ggaagtgtcc ccaaaacaat ttcactttca 360
gtgatttttt ggaaaaatca acaggacgca actatagtta cagacataat cttaattatt 420
tttagtatgg tgaaattaac acaaggaaat agccacatgg aaggaattat gaaggaatgc 480
agtgtgaagct cctgtgattc ctctcccacc atgttgacac gagcgcaactg actttatcca 540
gcatcatat

```

<210> 1687

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(442)

<223> n = A,T,C or G

<400> 1687

```

caactgcaaa tgaagatcct ttttggtatc ttgntgagaa agacacattn ggggggggggt 60
tgtgacnaaa ataacgatgg ccggcttgat ccccaagagc tgttaccttg ggtagtacct 120
aataatcagg gcattgcaca agaggaggcg cttcatctaa ttgatgaaat ggatttgaat 180
ggtgacaaaa agctctctga agaagagatt ctggaaaacc cggacttggt tctcaccagt 240
gaagccacag attatggcag acaggctcca tgatgactat ttctatcatg atgagcttta 300
atctccgagc ctgtctcagt agagtactgg ctctttttat aatttgttac cagctttact 360
tttgtgataa aatattgatg tngnntttta cactcttaag tcttaaccac agtcacaatt 420
atcttaatgt agatnataat tg

```

<210> 1688

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(340)

<223> n = A,T,C or G

<400> 1688

```

ctgccagcta acagcaagag cnttgagggc atcactgaac agatagcacc tnatgngntn 60
tnatgattca aaaatctccc ttgctgttgg atttaccac acgtaggctt ttatttcttc 120
ccattacatc tgttttagcca cagaaagcat cgggccatc tctactgcaga agataagact 180
tcctcagaat cttatttggt tagtgcactc aattttactt cactgtctca tcacttgaga 240

```

gactgggttaa ggcaagaaac ccattttotta acatTTTTTT tgTTTTTcaaa catttgaaaa 300
gcaacaccaa aacgtatgca gttaatTCCT caattctttc 340

<210> 1689
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 1689
ccagagggcc tgcacatgca atttcagtc cctgccttca gagagctgaa aagggggcct 60
nggtctttta tttcagggct ttgcatgcgc tctattcccc ctctgcctct cccacacctc 120
tttgagacaa ggagatgcag 140

<210> 1690
<211> 485
<212> DNA
<213> Homo sapiens

<400> 1690
gagattatta cccagaattc acatgtaggg atggggaagg acaatttttt tttaactaaa 60
aaagtTggcg gcaggggtgg ggggtggcaa tcatttttct tcctatacat acaaaggata 120
ttgtcaaaaa tggcgttctt ctcttgTggc ctgttattct gattgctgct gtatacagtt 180
ttgtcactct ttagttttta gttaagcata ctgatagact ttctctaaa agccattcac 240
tccagatttt acctggggaa tattctacat actgcttact ttctctataa aactcatcaa 300
taaattcatga aaggcactga gttttgtaaa tcaggaccct aaatgtttta ttgtaaataa 360
gtttcagata attattatag ctttgcgTtg aagtttgTtg ttttttttct caactagtta 420
agtcaactgc ttctgaaata actctgtatt gtagattatg cagatcttta caggcataaa 480
tattt 485

<210> 1691
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

<400> 1691
gaagaaacaa ngatgacttt tttTnanaaca aagcataatg ctggcaatnn ngngggggggt 60
nnagtTtttc aaacatgtta tctTaaatac ccctttatcc ttacaggTtg acataacttt 120
gaatgtTttta acagcaagaa tntTaaagaaa agataaaacac catttttatt atntataaaa 180
acaaaattan ttncaaatat ttttgacatt gtgatttttt tttccacat ttctcagcaa 240
anctaattggn attttTaatca ttattttTgc ctgtcataag aaaactctta nctgaaatgg 300
ccnnaaaact gtganacatg ctatggaanc tgaatgccgg ac 342

<210> 1692
<211> 450

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 1692
aaaaatgggg ccccaaagac tgntaagagc tcatcccccgt ggtctcctat caccgggggnn 60
ggggttcatg tctgatgaga agcttggacg gtactgaaac tcatacatgt aggtgggtgc 120
tccagcatct ctgtggttcc gggccacaat cacagatggg acaccaaaca tcacatctgc 180
tatcaagtcc aggaacaggt ctttcttttt gacagtgtcg tctgttcctc ctaagtattt 240
ctcagtggct tctggaatca gttccttagc aatgcaaaca aggggatagg acttccacag 300
gagtgcacatg gctgtcttct ggtccagttg cccttcggag agtggatagc tcatcaactg 360
cattggaatc aaccagccaa actcctgctt gttaattccg accatgtang ggacagngtg 420
gaaattcctt tcagcttgaa agctcttcag 450

<210> 1693
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

<400> 1693
ctatttttatt aacatcatgn tttaataaat aactggctac ttctaataaa nnggggggnct 60
cngtttacaa cagcccccac tattccattt tgaccaactc gcagaatttg gtgtaaaaag 120
ttgaatgaaa tgtagacctt gagctatcaa gtaattatgt ttcaatataa aaatagagaa 180
ttactcttac aactgaagat tgaacaataa cacaaacaac ctctttgttg gtttttaggtt 240
cggtaaaatt agttgggacg ttaatggctg tctaaagcag gaaganacag aattttaatc 300
tttctgaaga cttctgggaa ctnccttgaa agngatttgt taccttatca gagtttatga 360
gctattattt tggtnaaggc acaangaaag gattccang nngttgntan tcttttgccc 420
tggnacacaa anattg 436

<210> 1694
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G

<400> 1694
attatctgca aggttttttt gtgtgtgtnt tngnttttat tttcaatatg caagttaggc 60
ttaatttttt tatctaataa tcacatcatgaa atgaataaga gggcttaaga atttgtccat 120
ttgcattcgg aaaagaatga ccagcaaaaag gtttactaat acctctccct ttgggggattt 180
aatgtctggt gctgccgcct gagtttcaag aattaaagct gcaagaggac tccaggagca 240
aaagaaacac aatatagagg gttggagttg ttagcaattt cattcaaaat gccaaactgga 300

gaagtctgtt ttt

313

<210> 1695

<211> 522

<212> DNA

<213> Homo sapiens

<400> 1695

```
ccattttcag gggaagcttg ggagagcaat agtatggtga gccccttaga gatgagcgcc 60
tactccttct tggcgaatgc tgccttcaga tgcttaccaa gtggtcactg catctagtaa 120
gattatattt ccagtacact tccttagggc agaaacacca tcctatcagg ttggtcagt 180
cccttcttca tgaagggagt catggggaat tcctgaaaat tttcttcctt ctgcagacag 240
ttggatgagt cccttagaga aggcattccag agacataact aaactgaata tcatcccata 300
ttgatttttag gaattgactc taaaactctg tgcagaatct tgtgttgga ttgtatcttg 360
acattcctgt tgtgttattt ttcttaactg gagtgtgtgc tgccttcag gtacaatttt 420
tgtgtaataa aagccagtgc attaagttta tatagactac tttctatgca agactgagat 480
atggaataga taggaagaga tatgtactgc tgggtacatg ga 522
```

<210> 1696

<211> 174

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(174)

<223> n = A,T,C or G

<400> 1696

```
ccagccattg cctggcattt ggtagtatag tatgattctc accattattt gncanggagg 60
cagacatata ccagaaatgg gggagaaaca gtacatatct ttctgtcttt agtttattgt 120
gtgctggtct aagcaagctg agatcatttg caatggaaaa cacgtaactt gttt 174
```

<210> 1697

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(561)

<223> n = A,T,C or G

<400> 1697

```
ctgtaatgtt attgcagatc cncatctctc gctcaactgt taatgtctca acctnnagag 60
gcacccacc cagcacactg tcagtaaagg ggcagattga aacagtgaga gtttaagggtta 120
cagtagaaaa ttctgcatgt ttgcagtgc tagaatcaga tagtagtggtg gtgggtttttt 180
tttttaaatca ttatgaanag tgggagcttg caggtaaggc ttctgtggtg gtttgaaaag 240
cagaaagcaa taaatgaaac aaagngtttg tgtaatatat tcctgccttg tcttcttcac 300
tcagagttga aataggtttt gcagtaaagc tggaaaaaaa aagaaaacaa atgttcaaaa 360
ctgtgtgtgt tggngggngg aatttccttt gcttatagna gtttcagagn aactatatgt 420
tttttttctt ttctttttca caggcacaga aaactgaatc tgtanataac gagggaaaat 480
gaattgcatg aaaaattggg gttgatttta tgtatctctt gggacaactt ttctcggcc 540
gcnaccacnc taaggcgaa t 561
```

<210> 1698
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(267)
 <223> n = A,T,C or G

<400> 1698
 cgaggtctgc cctcgattgt gtattttctgt tggatcaaac actcccatgt taccactngg 60
 cnncataatg tatcgatata tattccaagt ggcaacaggt aagttgagaa ggaagatgaa 120
 ccagtgcgaat gacatgagca gtaatacagt gacaatggta tggccactta aattaaaaat 180
 ataacaaaaat tgaaaaatag acatataacc aaaaagattc taaatcttgc aaggaaaaaa 240
 agaataaagc tgccaataag ttattttt 267

<210> 1699
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 1699
 tgtaagatt ttttttgcta caaagaggag gtggcaatgg tagatccacc cttatgcttc 60
 tcagtttagc ataacctctt atggattttc atcaaattca gcgtgttggc cactggaaaag 120
 agccttttcc ttctcctttt cttactctcc cctcatgggtg ttccctcttt aaaggagagg 180
 agctttttaat ttacacttac cacctcattt gcttttctgg aggccatgca atataggcgg 240
 gactacagag ttaatctcct ttttacaaat gaggccaaga gaagcctcat tggttcacag 300
 tcatgcagct catactgtcc acccttgat tctcagatgc aggacaattg catttttagtt 360
 ttatttttggt gaggtgcaga atattttaact tttctgtcca acccttgatt ctgccgagga 420
 agacactgat ggtttgatga gtgattcag 449

<210> 1700
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 1700
 acatttcaca aataagatgt agctttccaa acaaattccat tcgatgacca ttatcacaac 60
 tataattttat tctaatttat aaaacaaaaa atgggttagac aagcacatga tatcaagagt 120
 cttcaacaca gtggattcca ttttattaag aaaaaaaata gaaaacaagt agtccttaaa 180
 ttgtcttagc tctccatagc atacgttata taaaattaaa gttttgcttc caaaaatatg 240
 tttccatgtg gtcgtgggtg tgtccagtgc tattagggcc aaagcaccaa agacatgaga 300
 agtttaacca tcgacttgctc atttttcata aaagctaaac atttccttat aggtctggag 360
 taaaatcttc taggcatttt agtgctaaaa gtcacttt 398

<210> 1701
 <211> 257
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(257)
 <223> n = A,T,C or G

<400> 1701
 aaanaacact annggacctt agagatnata actgtttgat aatttgnetc agncgtattg 60
 nentaaaaga tatatnnnng gggggnnnnt cnntgtnaan ngntgttttg attgcctgat 120
 attatancnn ggnggttggg nnntatntna cncantatac ctengncgca accncgctaa 180
 tggcnagnat catnacactg gcngncgtta ctactggatn cgagctcngt gccaatnncn 240
 ncgtcntcat ngcccta 257

<210> 1702
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(526)
 <223> n = A,T,C or G

<400> 1702
 acctaattna ttgaagtaat aaccaaataa ttttcaatct tgattcaact gtgattcaaa 60
 tcttacacca tttgccact tctatgaatt ttatgtataa aattttttaa gagtcagagt 120
 tttttttctt gattaattgg atgtatttca cagaatttcc aactgctcac gttagttttc 180
 ttccttttag agttgatctc tctaattgtat tagatcttca tgcctttgat agtctctctg 240
 gaataagttt gcagaaaaaa cttcagcatg tgccaggaac acaacctcac cttgatcaga 300
 gtattgttac aatcacattt gacgtaccag gaaatgcaa ggaagaacat cttaatatgg 360
 ttattcagaa tcttctgttg gaaaagaatg tgagaaacaa ggacaatcac tgcattggagg 420
 tcataaggct gaagggattg gtgtcaatca acgacaaatc acaacgagtg attgtncagg 480
 ggggtccatg agctctggtg atccgggagg agactccaat gagctg 526

<210> 1703
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 1703
 gacctccgaa ctgagctcta atttagctga tcagattttg cttgggtaaa gttccttttt 60
 aatgttctaa agtggttacg gttctcaaat atcagttaaa aactaatttt aggtgg 116

<210> 1704
 <211> 241
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(241)
 <223> n = A,T,C or G

<400> 1704
 aaaaattgtg taattgttaa atgtccagtt ttgtctgtgt ttgcctgaag ttttagtatt 60
 tgttttctag gtggacctct gaaaaccaa ccagtaacct gggagggttag atgtgtgttt 120
 caggcttggg gtgtatgagt gggtttgtct gtattttcct ccagagattt tgaactttta 180

taattgcgtg tgtgtttttt ttttttttna aggggctttg ttttttttn tcaanaaaaa 240
t 241

<210> 1705
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = A,T,C or G

<400> 1705
ggctcctgtnt anacacacat caatatgaaa caaaaaaaat ttatataaat aagtcaatta 60
aaacttcacaa aaactaaaga aacacaagac aaaaatccaa caagcaataa aaactgtaca 120
atattgggtca gtctttttata tctgaaaaat gtgtaactta aaaaaaagtt atttatcgta 180
taaaaaaagt cttttacatc tgtgttagct ggagtgaaaa cttgaagact cagactcagt 240
ggaaacagat gaatgtccac ctgcgtttcc tttggagagg atcttgaggc tggaccctct 300
gtcacacagag gtgagtgcgt gctgggcaga ggtttt 336

<210> 1706
<211> 107
<212> DNA
<213> Homo sapiens

<400> 1706
agggtggctc tgggagcagt tgtgctgcgg gcttgctggg ggagaactct aactgttgca 60
gaaacagagc ttcattggctt gcttaaatga cttagctgga atatttt 107

<210> 1707
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

<400> 1707
ttttttgtct ggtaattata tatttattat ttagcaaaac tgaagaaaaa aagcacagaa 60
ttgtttcaac agatgtctct cattttcagc tagcatttct ctcccaagtt gagctggttt 120
aatgtgtttt ggatttccct cctcaattgg cttatttttt agatcacctg caattcattt 180
gcaaattgca ataaaaacaca ttttagaaaa aaggaacctt caattattag ctttgtttct 240
ttttaaatgt atatatatttg actaatgttt gtgaatgaag ttggctaaca tgtatttagt 300
ttcattttgg cggtagtaaa tataaagttt ttaaaatttt aaatatggtt ttaaccttta 360
tgtgtaaaatg attttctagt gtgaccttct aatttaatat tagacgtcta aggtatatct 420
gtaaattaga atccgactat cactctgttc attttttttg aacaaagnn ttaaagaaag 480
cctgaaccag ggaaaaaaa aaaaaaaaa aa 512

<210> 1708
<211> 203
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(203)

<223> n = A,T,C or G

<400> 1708

```
aatcttctaa aggaagaaca gaccccnag aataanatta cagttggttg gggttggtgct 60
gttggtcatgg cctgtgccat cagtatttta atgaagacta taatgtaact gaaaactcca 120
agctggtcat tatcacggct ggggcacgtc agcaagaggg agaaagccgt ctttaatttg 180
tccagcgtaa cgtgaacatc ttt                                     203
```

<210> 1709

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(271)

<223> n = A,T,C or G

<400> 1709

```
ngttgaaaaa atagatccaa tcagtttata ccctagttag tgttttgcct cacctaataag 60
gctgggagac tgaagactca gcccggttg ggctgcagaa aaatgatttg cccaggtccc 120
cttgtttgtc ctttctacag gcatgaggaa tctgggaggc cctgagacag ggattgtgct 180
tcattccaat ctattgcttc accatggcct tatgaggcag gtgagagatg tttgaatttt 240
tctcttcctt ttagtattct tagttcttca g                                     271
```

<210> 1710

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(239)

<223> n = A,T,C or G

<400> 1710

```
tacaaaaatat ttttaattgta agtggtcaga ggaattcttc tggttttctcc cttatggnta 60
tttttaattt gtacaatagt tgcttctgtc aactcagcga caatgccatc atagctttca 120
aatgagatca ccctgtagat cgatggacta tgccttaaag ttgcagatgc ataaaggaga 180
ctgaggacaa atggtgaaaa ctgtagttac tgaacccaaa tggtactcag agatatcaa 239
```

<210> 1711

<211> 122

<212> DNA

<213> Homo sapiens

<400> 1711

```
agtgtgaagtg aacacagaag agtgacatgt ttacaaacct caagccagcc ttgctcctgg 60
ctggggcctg ttgaagatgc ttgtatttta cttttccatt gtaattgccca tcgccatcac 120
```

ag

122

<210> 1712

<211> 169

<212> DNA

<213> Homo sapiens

<400> 1712

```

ttcccataaa taaaagtaca gttttcttgg tggcagaatg aaaatcagca acttctagca 60
tatagactat ataatcagat tgacagtata tagaatatat tatcagacaa gatgaggagg 120
tataaaagtt actattgctc ataatgactt acaggctaaa attagtttt 169

```

<210> 1713

<211> 392

<212> DNA

<213> Homo sapiens

<400> 1713

```

tgacagagag gatggcgctg tcgaccatag tctcccagag gaagcagata aagcgggaagg 60
ctccccgtgg ctttctaaag cgagtcttca agcgaaagaa gcctcaactt cgtctggaga 120
aaagtgggtga cttattgggtc catctgaact gtttactgtt tgttcatcga ttagcagaag 180
agtccaggac aaacgcttgt gcgagtaaat gtagagtcac taacaaggag catgtactgg 240
ccgcagcaaa ggtaattcta aagaagagca gaggttagaa gtcaaagaac atattcttga 300
aagttatgat gcattctttt ggggtggaac agatcataaa gacatttttt acacatcagt 360
taatatggga ttattaaata ttggctataa aa 392

```

<210> 1714

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1714

```

tgaggaggat attttcccac aggaacaagg gtctccgtga tgacacgggg tctctatagt 60
catggttgaga gcctaattggc ccttggcata attgctggtg ttggggtaga aggtgtcttg 120
gagtttgctc aagtgggtga gagggaggga ggtgccatag acttgaggga actggcacga 180
agccaaggat acaaattccag gcagggtgtg ggggcaggat agggagcagg gccttctact 240
gaaggagtga ctcaggaagg aggaggggaa ggtgacaagc ccctgggcag gagccctgtg 300
g 301

```

<210> 1715

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1715

```

taaattcagg ctaacttctg aaaatcccgt tttattcacc tcaactgtggt accagtaact 60
atactgagtc aggttacttt acagttaact atgtcaccta aaacacaata atccattaac 120
actctaataa cagttattgg gtgtggtcat actggaaatt cttaaccata tagttgtctt 180
gccaaatttt tttt 194

```

<210> 1716

<211> 185

<212> DNA

<213> Homo sapiens

T00050"92964860

<400> 1716
 gtaggaatgg gttcttggt cacaagatag tattgttgag ctagttttcg agctctgtgc 60
 acaagcactc ttttaattccc acggacgggg ctcctccagc tacagcagcc aaagcatatt 120
 caatctggac aagtttacca gacgggctga atgtagtcag cgaaaaactg taccgcgcgt 180
 ccgcc 185

<210> 1717
 <211> 296
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(296)
 <223> n = A,T,C or G

<400> 1717
 aanaggctct tgggtggagag gactgtgaag ccgtcggcag gtgtgccctc ggttgtgccg 60
 tcggcgctgg ctgcccttact gacttcaccc tgcttcttct tggatttcog ggcccccttc 120
 ttgcctctcg cttttttaga tgcaggcttc ttctgggatg gagacttggc ctttttggct 180
 gggggtggtg tgatgatggc ttccaacttt cctttggatc cccgcttctt cgctagcaac 240
 tcggggtgga tggtgggtaa cacaccccca ctggctatgg tgactccttt tagcag 296

<210> 1718
 <211> 343
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(343)
 <223> n = A,T,C or G

<400> 1718
 atggcattaa ttgttccttg cttttatagg gtgtattttg tacatttttg atttctttat 60
 ataaggtcat agattcttga gctgttgtgg tttttagtgc acttaattatt agcttgctta 120
 aggcatactt ttaatcaagt agaacaaaaa ctattatcac caggatttat acatacagag 180
 attgtagtat ttagtatatg aaatatntng aatacacatc tctgtcagtg tgaaaattca 240
 gcggcagtggt gtccatcata ttaaaaatat acaagctaca gttgtccaga tcaactgaatt 300
 ggaacttttc tctgcatgt gnatatatgt caaattgtca ngc 343

<210> 1719
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 1719
 tcgaggaccc ccgagatgca gaggatgcta tttatggaag aaatggttat gattatggcc 60
 agtgctggct tcgtgtggag ttccccagga cttatggagg tcggggtggg tggccccgtg 120
 gtgggaggaa tgggcctcct acaagaagat ctgatttcog agttcttgtt tcaggacttc 180
 ctccgtcagg cag 193

<210> 1720

<211> 176
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(176)
 <223> n = A,T,C or G

<400> 1720
 tgattcagaa ttttttttaa tgaaaggatn attgcactaa ctttcttctt gctgctctga 60
 ttctgcattt gtggtacttg tgactacgtt ntttcaaata tagatagatt taagctgcta 120
 attttttttt ttttagtaac cactnctata tcatgtcttt tactctgntn ataata 176

<210> 1721
 <211> 128
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(128)
 <223> n = A,T,C or G

<400> 1721
 tattottang aaacttcctt aatccotttg aaattcccgg gtccttcaag aataaaaaaa 60
 aaagggtcaa gaagaacaaa ttaccaaagg gaaagaatgg ctttcaatat aataagggtc 120
 atttttta 128

<210> 1722
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 1722
 ttatgaagtt gacaaataaa taaaaggtag tggntatgtc tgagcttatt gtgtttgagc 60
 taacaccagg ttactcagta accatgacct gtcctccat ttccatttat tctcaacatt 120
 aaatagtttt atcttggtgn tgccagaaat gcacttggtc caggntatgn ccttgctgta 180
 tgaaaagctt cttggcaatg aattctgtaa taagtgcctt acattatggn tttctggtgg 240
 aattggttta acagngacaa cccaggattt ccaatatatt tttgt 285

<210> 1723
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(536)

094966.0504

<210> 1727
<211> 274
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(274)

<223> n = A,T,C or G

<400> 1727

```

ttnngttgaa aaaatagatc caatcagttt ataccctagt tagtgttttg cctcacctaa 60
taggctggga gactgaagac tcagcccggg tggggctgca gaaaaatgat tggccccagt 120
ccccttggtt gtcccttcta caggcatgag gaatctggga ggccctgaga cagggtattgt 180
gcttcattcc aatctattgc ttcacatgg ccttatgagg cagggtgagag atgtttgaat 240
ttttctcttc ctttttagtat tcttagttct tcag                                274

```

<210> 1728

<211> 415

<212> DNA

<213> Homo sapiens

<400> 1728

```

aaatcccttt ctgcttccac tggaggcaaa actgaacaaa atgttagtta aatagagaga 60
gcagcatttc taagaaatct gtggtcagca ttatagacca tctatgctac aaggatgtca 120
ttaaatagga tttgttcaat tactggattc ttcttctatg atcagttata gaatttctgg 180
tttatatctc tgattcataa aactgggact ccactttttg aagatacatc tgattgattt 240
ttttcagtca tgatttaaca gacttctttg agatgctcat tttaacattt acataattta 300
taatcccaaa tgtataaaaag acaatgaaaa aagcatcata aataaataat gcaaaatgaa 360
atagttatgt cagacttttg gaccttctga taaattagca aaactgtaac agaaa          415

```

<210> 1729

<211> 309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(309)

<223> n = A,T,C or G

<400> 1729

```

acanaccgta tactttatgc aaacaaagtg atgcctcact gacttaggag acaagtcaca 60
tgccatcagt gtgtcagaaa atttctttct tcagtgatag ttaaggtaac ctgccagct 120
actttccaga gacagctcca gggcaatact ggggaaaaaa aaatcagaga cataggacct 180
caatagagcc ctgtgcaaca aaaagatgct agataacaaa actcaaagca aaactaagat 240
cattccaatt taggggaaag tttttttatt cagtgtttta gattaaaaac tacaagattt 300
tgcttgacg                                     309

```

<210> 1730

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(285)

<223> n = A,T,C or G

<400> 1730

```

anctgtactg tatttatgtt gctattgggc aaaagagatc cactgttgcc cagttggtga 60
agagacttac agatgcagat gccatgaagt acaccattgt ggtgtcggct acggcctcgg 120
atgctgcccc acttcagtac ctggctcctt actctggctg ctccatggga gagtatttta 180
gagacaatgg caaacatgct ttgatcatct atgacgactt atccaaacag gctgttgctt 240
accgtcagat gtctctgttg ctccgccgac cccctggctg tgagg 285

```

<210> 1731

<211> 244

<212> DNA

<213> Homo sapiens

<400> 1731

```

cattaccttg ctaaaatttc cactaagcta cagcttcaga tatttacaag aaaaataaat 60
atcttttaac agacttcaat gtggtttaac agcaagctag ctgaggagtt gtattttgtt 120
gttatttcag gtaacttttt attaagaaac agttaatatt tcagcgatta caatttcagg 180
tgttcaaaac tcaagaaggg tcatcattat actctgaagc agaattcttc aggtactcat 240
cttt 244

```

<210> 1732

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 1732

```

ctgggaagnc agttcgttct ctctctctct ctctctctgt ttgaacatgg tgcggactaa 60
agcanacagt gttccaggca cttacagaaa agtgggtggc gtcgagccc ccagaaaggt 120
gcttggttct tccacctctg ccactaatcc gacatcagtt tcatcgagg aaagctgaaa 180
ataaatatgc angagggaac cccgtttgcn tncgcccaac tccaagtgg caaaaaggaa 240
ttggagaatt ctttatgttg tcccctaaag at 272

```

<210> 1733

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(388)

<223> n = A,T,C or G

<400> 1733

```

anttgaaga gcatatgaac acgggccagc tagcaggatt ttcacatcaa attagaagtc 60
tgattttgaa taatatcatc aataagaagg agtttgggat tttggcaaag accaaatact 120
ttcaaatgtt gaagatgcat gcgatgaata ccaacaatat cactgagcta gtgaactatt 180
tggcaaatga cttaagttta gatgaagctt cagtcttgat aactgaatat tcaaagcact 240
gcgggaaacc tgtgcctcca gacactgctc cctgtgaaat tctgaagatg tttcttagtg 300

```

```
<210> 1734
<211> 282
<212> DNA
<213> Homo sapiens
```

```
<210> 1735
<211> 268
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G
```

```
<400> 1735
ntaagccagc cttcctcaag aatgccagac agtggacaga gaagcatgca agacagaaac 60
aaaaggctga tgaggaagag atgcttgata atctaccaga ggctgggtgac tccagagtac 120
acaactcaac acagaaaaag aaggccagtc agctagtagg catagaaaag aaatttcata 180
ctgattgtta ggggacttgt cctggttcac cttagttaat gtgtctcttg ccaaggtgat 240
ctaaagtgcq taccttgaat tttttttt
268
```

```
<210> 1736
<211> 478
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G
```

<400> 1736						
tnatagaactt	ttccaatggc	ccccttataa	caccagaaag	gattgtaatc	ttgggcgtat	60
tttgtgctgg	catctttggc	agttgtgaag	atcttgtacc	agagcgtggc	gttgctgtac	120
gtgtcaggaa	cacagtgcgg	tggctgtaca	gtgacgggga	acaccccagg	gctggccgtg	180
agggtcatgc	aggctgtgaa	taccacctgc	tcacagtjac	cgtggagggc	gcagtcacct	240
gagctccacg	ctgtaggcag	ggtgaagggt	atgtttatct	cctcgtgggc	ttccctgcct	300
gaaagctcaa	tctgtagccc	taagatggtt	gagtagacat	gggtgacggt	gcgggaatac	360
ccctccgaag	gttttcagtg	gtccagggtt	agggtgattg	agactgagat	attcacccgg	420
cccgaagtct	ccagggcctg	gggggactgg	gtggaagctc	gggcctgccc	cctgggtca	478

<210>	1737
<211>	489

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(489)
<223> n = A,T,C or G

<400> 1737
ctttnaggat ggcgagtagc agcggctcca aggctgaatt cattgtcggg gggaaatata 60
aactggtacg gaagatcggg tctggctcct tcggggacat ctatttggcg atcaacatca 120
ccaacggcga ggaagtggca gtgaagctag aatctcagaa ggccaggcat cccagttgc 180
tgtacgagag caagctctat aagattcttc aagggtgggt tggcatcccc cacatacggg 240
ggtatgggtca ggaanaagac tacaatgtac tagtcatgga tcttctggga cctagcctcg 300
aagacctctt caatttctgt tcaagaagggt tcacaatgaa aactgtactt atgttagctg 360
accagatgat cagtagaatt gaatatgtgc atacaaagaa ttttatacac agagacatta 420
aaccagataa cttcctaagt ggtattgggc gtcactgtaa taagttattc cttattgatt 480
ttggtttgg 489

<210> 1738
<211> 262
<212> DNA
<213> Homo sapiens

<400> 1738
gttacagatg acatgtatgc agaacagacg gaaaatccag agaatccatt gagatgtccc 60
atcaagctct atgatttcta cctcttcaaa tgccccaga gtgtgaaagg ccggaatgac 120
acctttttacc tgacacctga gccagtgggtg gcccccaaca gcccaatctg gtactcagtc 180
cagcctatca gcagagagca gatgggacaa atgctgacac ggatcctggg gataagagaa 240
attcaggagg ccatacgcagt gg 262

<210> 1739
<211> 422
<212> DNA
<213> Homo sapiens

<400> 1739
ccaccatcct tttgagacag ttcctatcaa caatcttgaa ccataactaat acattacttg 60
ttcctgaagt ccttttggtg tagctcataa taaaataagc aatacaaatg aattatctgt 120
atttaaggga aaagaaacat ttacaagaaa acacaaaaat ataactgta taattcatta 180
tgaataaata tacactttga actggctaag tacaatcttt atacattggt taagatttaa 240
tacagtttat tagccatttt cttttttcac acaatgtata tcaaaaattaa aaaaaatac 300
tgattttatg aaaaatggca aagtacagta gttccattcc aatttgaagg gccatgaaaa 360
gccactgcaa gaccttttag cctaattcaa acctgtaaac atgttcagtc ttttttacct 420
gc 422

<210> 1740
<211> 92
<212> DNA
<213> Homo sapiens

<400> 1740
gttaaatacc tatctaagt gctatgttta tcaaactgtg tactaaaatg gaaagctagt 60
tttgagaaat tattcagaag ccttggtatt tt 92

<210> 1741
 <211> 188
 <212> DNA
 <213> Homo sapiens

<400> 1741
 tttcaattct tccaaaaggc tcaaagatcc cacgaagcat atcttcagtt atgttgaagt 60
 gtaatgagcc cacataaagc ctcataagtc cagcacttcc cttttgtaaa ttgtttgcca 120
 ttgctgcagc tctgtttttt tctgcctgtg atgctgtac tatgattggc acgcctaaaa 180
 ctggttgg 188

<210> 1742
 <211> 285
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 1742
 ttnaaaatac tttcaggctc caccaaaaacg tagaactgaa agcatgtatt ttggaagaaa 60
 gagatacatt ttgtatgctt tcttttcctt ttgtagattc ccagtttatt ttctaagact 120
 gcaaagatca ctttgtcacc agccctggga cctgagacca aggggggtgc ttgtgggcag 180
 tgaggggggtg aggagaggct ggcattgaggc tcagtcattc cagtgcagtc caaagagggg 240
 ccacctgttc tcaaaagcat gttgggggacc aggaggtaaa actgg 285

<210> 1743
 <211> 117
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(117)
 <223> n = A,T,C or G

<400> 1743
 angatctata gacacttttag gcaaaacagg ctcataaagc aattaaaaaa tcaacaattt 60
 agtaaaaaaca ggctacatag tatttttgtt ttacgtttca tttgtctatt gatcttt 117

<210> 1744
 <211> 111
 <212> DNA
 <213> Homo sapiens

<400> 1744
 aaacaatggg ctaaaaataa acagtattaa aagggttaagt ttatataata catatgtaca 60
 caattagtgg tgttttcttt tcagacaaaa tactgaaaca aatattagtt t 111

<210> 1745
 <211> 305

<212> DNA
<213> Homo sapiens

<400> 1745
ctgccagtag acccccgggc accctgagggc tgggtgggtccc tgctagtcag tgtgggtctc 60
tcattggaaa aggtggatgc aagatcaagg aaatacgaga ggtacaggg gtcaggtcc 120
aggtggcagg ggatatgcta cccaactcaa ctgagcgggc catcactatt gctggcattc 180
cacaatccat cattgagtgt gtcaaacaga tctgcgtggc catgttggag tccccccoga 240
agggcgcgac catcccgtac cggcccaagc cgtccagctc tccggtcac tttgcagggtg 300
gtcag 305

<210> 1746
<211> 319
<212> DNA
<213> Homo sapiens

<400> 1746
aaaataagtg aataagcgat atttattatc tgcaagggttt ttttgtgtgt gtttttgttt 60
ttattttcaa tatgcaagtt aggtttaatt tttttatcta atgatcatca tgaaatgaat 120
aagagggctt aagaatttgt ccatttgcac tcggaaaaga atgaccagca aaagggtttac 180
taatacctct ccctttgggg atttaatgtc tgggtgctgcc gcctgagttt caagaattaa 240
agctgcaaga ggactccagg agcaaaagaa acacaatata gaggggttga gttgttagca 300
atttcattca aaatgccaa 319

<210> 1747
<211> 177
<212> DNA
<213> Homo sapiens

<400> 1747
aaatcctttt ccataaata aaagtacagt tttcttggtg gcagaatgaa aatcagcaac 60
ttctagcata tagactatat aatcagattg acagcatata gaatatatta tcagacaaga 120
tgaggaggta caaaagttac tattgctcat aatgacttac aggctaaaat tagtttt 177

<210> 1748
<211> 237
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(237)
<223> n = A,T,C or G

<400> 1748
ctgaaggant gnaantagac tggtnagag aggaaggcac tgagccacat gaaggatatgt 60
acgtagggtt tgttcagtgg aaatagactg gtagagagag gaaggcactg aaccacatga 120
aggtatgtgt gtaggttttg ttcagtggaa atagactggt agagagagga angcattgaa 180
tcacatgaag gtacgtgtgt aggttttgtt cactgacttc ttcantgtct cagccag 237

<210> 1749
<211> 244
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(244)
 <223> n = A,T,C or G

<400> 1749
 aaaaggcccc attatctgac aaaatagatg gtgaacatgc actatcccag gatatctatt 60
 attatccaaa gaagtgtttc tcaaagngtg gtccatggta ctggtccatg aattgggttg 120
 taccagtcaa tgaagagata aattacttgc atcagagtgt aaatcaatac attgcttttag 180
 ctattaataa aattttgcta aaaaatcaaa tcctgtcatt gacctaaaaa gtatctctag 240
 attt 244

<210> 1750
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(289)
 <223> n = A,T,C or G

<400> 1750
 aggccagcct ccaccacgca cggcgaaagg agtgaactag ctgggacaca cacacgtgtg 60
 aatgcatgca agcattcact gcatcttctc cgtggactcc ctaccgctct tccatagccc 120
 cccctttcag cctcactgtt tctcgtgtga gcctatctgc ttgggcagtc cactcgggag 180
 ggggtcatgg agccaggact cctctaaaat aggaatggaa aggaccctgc agatattttt 240
 atcctanttg tgaaaacaag gtgcctctga ttctctatat ccatcacag 289

<210> 1751
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(594)
 <223> n = A,T,C or G

<400> 1751
 ctggttatta atcacaagtc ctggaaatgg tctaatgacc gtgaatttga taaactcggc 60
 agagtctaag atcctttctca tggagctgat ttccaggtag ctgggggctt tgaaggacac 120
 ccccgggggc atgccatcaa ccaccacaca gccagggtta attgtgattt tcctgtaggg 180
 aactttcaca ggaaaaccca taccaatagc ttccacaaat ttccgactaa agaggtcatt 240
 cacttgttct cttagctgtc tagctttttc aactttcgag agtctttcat tatcatcatc 300
 tggaattgtc acctgaatga tgttaaggtc ttcaacacct gatgcagtag tattaacatt 360
 ggggtgatgaa tttatttttc tgggagggct cttagaggag gtgctctcct taatcgccgt 420
 ctcaaacatt tcgggctttt taatgatgaa cttaattttg gctttgtttc tgagtatctt 480
 ctccagcctc ggaatgccaa aagtcgatgg tcttcggaat ggcacaccct caggtaagcc 540
 ttccacataa aagtcttnct ggaaaagact aaataacgag aacggcacct tcac 594

<210> 1752
 <211> 311

<212> DNA
<213> Homo sapiens

<400> 1752
ctgaaggttt catggctccc aaggcttggg ccgtgctgac agaatactac aaatccttgg 60
agaaagctta ggctgttaac ccagtcactc cacctttgac acattactag taacaagagg 120
ggaccacata gtctctgttg gcatttcttt gtgggtgtctg tctggacatg cttcctaaaa 180
acagaccatt ttccttaact tgcacagtt ttgggtctgcc ttatgagttc tgttttgaac 240
aagtgttaaca cactgatggg tttaatgtat cttttccact tattatagtt atattcctac 300
aatacaattt t 311

<210> 1753
<211> 587
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(587)
<223> n = A,T,C or G

<400> 1753
ctgtccatta tacaccgtca cgttgatccc tgcctccagc aactcgtcca caatgctaata 60
gactggcttc atgaagtcct cctocatgtt cacaagagcg ttggtagcct ggccctcccca 120
ggattgatcc tcaggaataa ttttgagctt ctttctgatg gggccattca tgagctggct 180
taaggcatct cgttgtaggt gtctcacgtg gcgctgacaa agacaaacta ggtggctctg 240
tgtgaattct agactcgact ccattgtaga cgtgggagtg cttttagtta agatgttata 300
gaagttcacc ccattctgtg tctgttcaat gatcatttct gctttccccc acagctctgt 360
ggcctctctg tagagcccct tatttacggc attcagtact tgctctgcaa ccttagacac 420
ctctgccaga cctttgtctt cgagaagaga catgctgtac aggttaaggct cccaggagag 480
caccgaatca acaggggaga tccaggaatc acccaaggca acccccgcaa agttgcactt 540
gatggtccct cncatgaatgg ncttataaag ctctagacca atgccag 587

<210> 1754
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(564)
<223> n = A,T,C or G

<400> 1754
cctctctcct tggcttgcag gtggcacctt ctactatgt cctcacatgg ccttttctct 60
gtggagaggg acagagagca tgagcaggct ctggtgtctc ctcttcttat aaagacacta 120
atatcaccat attagggtt aaacctatga cctcatttaa ccttaacccc ttaaagggtc 180
catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240
acaccattca gttcttaaca ggggtgtcac cgaaacatg gaaagtcaga gccttctccc 300
cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360
gacacggaga gtggcaggta ccattgctgg gtggctcagg agtgcttcng aggacatatg 420
gaactggcag ggctcagtg agggaggcgg aggccctgg agagccgtgt cctgagaagg 480
gcctgggcta caaccctgg caagttactt cacctctgag cctccgatgc tctgtgaaat 540
ggaaggaatg tgcttgccct tcag 564

<210> 1759
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 1759
 aaacttcgcc atgatcgtgt cttctgcact catgatatgg aaaggcttga tcgtgctcac 60
 aggcagtgag agcccatcg tgggtggtgct gaggggcagt atggagccgg cctttcacag 120
 aggagacctc ctgttcctca caaatttcgg ggaagacca atcagagctg gtgaaatagt 180
 tgttttt 187

<210> 1760
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 1760
 cctctctcct tggcttgcag gtggcacctt ctactatgt cctcacacgg ccttttctct 60
 gtggagaggg acagagagca tgagcaggct ctggtgtctc ctcttcttat aaagacacta 120
 atatcaccat attagggtt aaacctatga cctcatttaa ccttaacccc ttaaagggtcc 180
 catctccaaa aacagtcaca tagcaggcta ctgcttcaac atatgcattt gggggagggg 240
 acaccattca gttcttaaca ggggtggtcac cgaaacatg gaaagtcaga gccttctccc 300
 cttcagaatt cccgccccca cccagggatg gggaagagga gcagagaggt atgggaagca 360
 gacacggaga gtggcaggta ccatgctggg gtggctcagg agtgcttcgg aggacatatg 420
 gaactggcag ggctcagtg agggaggcgg agggcctggg agagccgtgt cctgagaagg 480
 gcctgggcta caaccctggg caagttactt cacctctgag cctccgatgc tctgtgaaat 540
 ggaaggaatg tgcttgctg tcag 564

<210> 1761
 <211> 413
 <212> DNA
 <213> Homo sapiens

<400> 1761
 ctgtcttctc atctatctta gcataggagt cctctgctgc cttttcaata ccgtcgtggt 60
 atttctccaa agcagttttc aagtttagaa atatttcctg ggacttcagt ttctcccttt 120
 cagcagcatc ttttagttgt tgaattccaa gtttaatttt ttggatttct tgattaattg 180
 tggttactcg ttcatagaca gcacctcttt tttcttgaac tttattgcaa tcttcaatta 240
 ctgtgcgttt gtattgctta acatcttcat gottottatt tattttgaat tgtgctgtgg 300
 caagtttttc cttcttcaca atcatcagtc ttttgaacga attttcttca gtcttcaatt 360
 tcttcagttc tgactcatca ctctcaattt ggtcctccaa gttcaggctt ctg 413

<210> 1762
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 1762
 ggaaaagaaa gagctgaaaa tgcagaaagc cgaagagtta gaacttttgg atacaggaga 60
 agaaacagcg gctccactac agaccagcc ccaggttcaa tgtcctccga agaataagt 120
 ctttccctgg tgatgggtcc ctgccctgtc tttccagcat ccactctccc ttgtcctcct 180
 gggggcatat ctgagtcagg cagcggcttc ctgatgatgg tcgttggggg ggttgtcatg 240
 tgatgggtcc cctccagggt actaaagggt gcatgtcccc tgcttgaaca ctgaagggca 300

ggtggtgggc catgg

315

<210> 1763
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(114)
<223> n = A,T,C or G

<400> 1763
cgaccgccta agagtngcgc tgtaagaagc aacaacctct cctcttcgtc tccgccatca 60
gctcggcagc cgcgaagcag caaccatgcg tgagtgcac tccatccacg ttgg 114

<210> 1764
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(114)
<223> n = A,T,C or G

<400> 1764
ctaatacgac tcactatacg gctcnagcgg cctccgngc cgggggctgc tcnnggttaga 60
tngacatgaa naccctacag ntncactgt ggnaattgaa antatccctc atgt 114

<210> 1765
<211> 485
<212> DNA
<213> Homo sapiens

<400> 1765
aaacagtaac aaaacagaaa gcaagaatca ctgaacactg ggtgcagtca gttctaagtc 60
cttataataa ttgccaaaat tatttgaatg attcttcaag attaggctga tccctggcta 120
aggtctgtgt aaggcagaca agcgttattg atcatatcaa gttccctaca atatcctgtc 180
ctcaaaaccg gaagcaatga acatgatcct cttcgggttg ataaatgaac ttcctgtttg 240
gcctgcttct aggccttgcc agattctcat aacatcatat acgtaagtat agttcctcaa 300
agtgactgac atttatttta attttgcttt gttttttttt attttctccc ccattccttt 360
attttggtgt attcctgact cacttgacac tctctgatgc ctgagagatt cctgtttggg 420
atttaatatc cagggctgtg tttacagtaa aaaaagcagg cagtcctttt tagtttttcc 480
ttttt 485

<210> 1766
<211> 389
<212> DNA
<213> Homo sapiens

<400> 1766
aaaaacaaag tcttcaactt ggggtgttgag attggcaaaa ggggaagcaa gggaaaagcc 60
aaggaaagat aaaatattca gaagaaagtc aaagtattct gcaattacat gtagaacag 120

```

attttgcagg ttaaaaagat gttgcttaaa tatattcata aacctgttgt aagattttca 180
cttatgcagt ttcagaaaat ttagctgctt aacatatgac agaactgtat tttaacaaat 240
gacattaaaa gtcaggagag ctactcagtt aattgataaa gtagaggcaa cgtgggggag 300
ccctcccccac gtttattgaa gatttgtggc tccccagcc ccgtttgcct gcatcaggct 360
aacaacctca ttcctcccat agagcctgg                                     389

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<210> 1767
<211> 176
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(176)
<223> n = A,T,C or G

```

```

<400> 1767
tttttcaacg attaanaatn ntcattacat aactnggtga aactgaaaaa gtatatcata 60
tggttacaca aggtatattg ccagcgtata ttaatatatt agaaaatatt ccttttgtna 120
tactnaatat cancatagag cnagaatcat attatcatat ttatnatant gttcan      176

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```

<210> 1768
<211> 384
<212> DNA
<213> Homo sapiens

```

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<400> 1768
aaaagaaatc atggtacttc ttagagcaat ttgcaaaagg ggaaaaaagt cttaggctca 60
ctccttggaataaaatatca agtaaccata aaaatattca gccatttttc agttattcgg 120
ggagttcagg catggtccca cgcagagcat cagagttcct ctttgaaata acccagcttt 180
gccaatgaca tctcttttct caactgcata acctcccaaa acatctgatc aacatcctgc 240
tgtttcacaa gtccctgctg aatgtatcga atgtatgtaa aaaagttaca tacagaagtg 300
atcctgtatc tgcaaaaagg agaaatacaa taatagttgc ttgagtcctc taatttaatt 360
ctgtgtttac aggacttact ctgg                                     384

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```

<210> 1769
<211> 111
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(111)
<223> n = A,T,C or G

```

```

<400> 1769
aaatataaaa aattaaaagt taaaactcta gcccttcagt gaaggagacg taaaatggcg 60
tgggtaacaa caactaccaa aaaaaaaaaa naaaaaaaaa aaaaaaaaaa a          111

```

```

<210> 1770
<211> 225
<212> DNA
<213> Homo sapiens

```


<213> Homo sapiens

<400> 1774

```
ccttcactct cccctgaggc tgtcctggcc cggactgtgg ggagcacctc cccccccgg 60
agcaggtgca caccaggtta agcaggtcca ggggctgggg tgggcagggc tagcttttgg 120
atcctgagtg tcactactct ctccctccag ggatgccctg gacctaatg acatcaactc 180
agagcctcct cggggctcct tccctcctt tgagcctcgg aacctcctca gcctgtttga 240
ggacacccta gacccaacct gagccccaga ctctgcctct gcacttttaa ccttttatcc 300
tgtgtctctc ccgtcgccct tgaaagctgg ggcccctcgg gaactcccat ggtcttctct 360
gcctggccgt gtctaataaa aagtatttga accttgggag cacccaagct tgctcatgtg 420
gcaacatggc ccttcctggg ccttttattg atgtcatcca gggctctaac gccctgagg 480
ctgagccctg ctgcagaacc cacgctcctg gccttggggc agcag 525
```

<210> 1775

<211> 458

<212> DNA

<213> Homo sapiens

<400> 1775

```
aaattttcta gtcaaattaa taagcctttg tattatatgc catcctcctt tggaatgata 60
gcggtataat taaaatagaa catttttaac acagaatact tattggtgaa gtggtctctt 120
atgtagtctt cttttgacga gaacgttgag attttogaac ttccagaact ttcttttttt 180
gatgtttttt cccattcttt tgctttttct tttggctgac ctgtttctcc cactttttta 240
tcagttcctt cacatctgct gaatctgggt ttagacatgt ttgaactcca ttcttcagt 300
tagcaatgat ttcaattttc tcgcaggaag ggcttggggc aaattgttta aggtctttca 360
aggattgtag gtggatagtc ccttggttgg tgctgatgca ggaacagcga ccctttctca 420
ctactggggg tccttgact ccaatcagaa ccagcaag 458
```

<210> 1776

<211> 461

<212> DNA

<213> Homo sapiens

<400> 1776

```
aaagtttcac ttccctagca aaatatcttc agtcaagaaa ttagtctttg aaaattatga 60
aaattgttgt gggaaatatt tatacaaatt attactgata atgcacatat attttgaaac 120
attgtttcta gaagcaataa aatataacct atttaggaga taacccaaat gatttgtaaa 180
aaaattaact tgtagaaaag ggaaggatgt tgtgtaaaat caagtcaatt atttgagggt 240
tttataatat tgagtactta tgtactaagt cacaccagc cagtcaataa ctgagaaatc 300
aaaataaaat aataatttca aagaattaca taaatacagg gccttttgag atttttggca 360
attgtaaaca aaaacgaatg gtttttacaa ttcagtgtaa ttctacgaat atttatttgg 420
cacccatggt aggcactgag gctacacagc agtgaaatag g 461
```

<210> 1777

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1777

```
ccaagtctct ctggaggagc actcaagtgt gacgagcagg gccactggac cctgcagggc 60
tgtggtgtat atagtgcagc tttggagggt gaactctatt ttcacacttt tctatggagc 120
cttccgagtc ccaggttttc acttgaggct gtctgtctgg atggcggttt tcagacctcc 180
attaacatcc ctaccagca ttctgtactt cgggggcctt ctctcttggt ataaaaacttt 240
ttaccaagtg aaacatcgat accacctttg tttccattct cactggtgta aatactgagt 300
```


<210> 1781
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 1781
 ctgctggagc aagccctgcg gaagcacaac gtggctgagc cgtgttccat caaagtcctt 60
 gacaaggcta cggtagcaat aataaagctc acagatcagg agactgaagt gaaagttgac 120
 atcagcttta acatggagac gggcgtccgg gcagcggagt tcatcaagaa ttacatgaag 180
 aaatattcat tgctgcctta cttgatttta gtattgaaac agttccttct gcagagggac 240
 ctgaatgaag tttttacagg tggaattagc tcatacagcc taattttaat gg 292

<210> 1782
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(381)
 <223> n = A,T,C or G

<400> 1782
 aaaacctgga cctttctgga agggcagcat ataaaaacat cagtcccgag gaggggacaa 60
 caatactacc tcactactac atctgtgatg actgggtgtt caaacacaat ggagtgtgta 120
 aggtatatgt tntataattc ataaccatag cctcgatcat caagaaatac tttcgaaatt 180
 tcattttcct tcagaatatc ttaagagtgc taaattttta actgcctttt tgtcgagtca 240
 aactgtggga ttctgatttg tattaataatt gtaagctcct cactgggtata ctatcatcct 300
 ggaggggtgt tgtatggctg agcaagagag agagagaatg agagagagac tgtgtgtgtg 360
 tgtgtgtgtg tgtgtgtgca c 381

<210> 1783
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1783
 aaatatctat gtcacagcaa acagggtggca attcaacatc cagggtcgac agaattgcttg 60
 aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg 120
 ggccag 127

<210> 1784
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 1784
 agcccaatgt tcctgttggt atagactatg tgatacctaa aacaggggtt tactgtaagc 60
 tgtgttcact cttttatata aatgaagaag ttgcaaagaa tactcattgc agcagccttc 120
 ctcattatca gaaattaaag aaatttctga ataaattggc agaagaacgc agacagaaga 180
 aggaaactta agatgtgcaa ggagatttaa tgatttcaaa gaaaataatg gttctttgtt 240
 tttaatgtta acctttttt 259

<210> 1785
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1785
 ctggtacttg acagagagga tggcgctgtc gaccatagtc tcccagagga agcagataaa 60
 gcggaaggct ccccggtggct ttctaaagcg agtcttcaag cgaaagaagc ctcaacttcg 120
 tctggagaaa agtgggtgact tattgggtcca tctgaactgt ttactgtttg ttcacgcatt 180
 agcagaagag tccaggacaa acgcttgtgc gagtaaagt agagtcatta acaaggagca 240
 tgtactggcc gcagcaaagg taattctaaa gaagagcaga ggtagaagt caaagaacat 300
 attcttgaaa gttatgatgc attcttttgg gtggtaacag atcataaaga ctttttttac 360
 acatcagtta atatgggatt attaaatatt ggctataaaa 400

<210> 1786
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(372)
 <223> n = A,T,C or G

<400> 1786
 aaatgttctc atcagtttct tgccatgttg ttaactatac aacctggcta aagatgaata 60
 tttttctact ggtattttta tttttgacct aaatgtttta gcattcggaa tgagaaaact 120
 atacagattt gagaaatgat gctaaattta tagttttcag taacttaaaa agctaactatg 180
 agagcatgcc aaaatttgct aagtcttaca aagatcaagg gctgtccgca acagggaana 240
 acagttttga aaatttatga actatcttat ttttaggtag gttttgaaag ctttttgtct 300
 aagtgaattc ttatgccttg gtcagagtaa taactgaagg agttgcttat cttggctttc 360
 gagtctgagt tt 372

<210> 1787
 <211> 86
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(86)
 <223> n = A,T,C or G

<400> 1787
 atgatgatta ctttcacatc gnaatccaac ctgaagagta ctttgttctc caatgttgct 60
 gtcaacattc agccatttat ccttat 86

<210> 1788
 <211> 354
 <212> DNA
 <213> Homo sapiens

<400> 1788
 ccttgaaaat ccgcctgcaa gcctaccaca ctcaaaccac cccactcata gagtactaca 60

ggaaacgggg gatccactcc gccatcgatg catcccagac ccccgatgtc gtgttcgcaa 120
 gcatcctagc agccttctcc aaagccacat cctagtatca gaaggccagg cgagactgca 180
 acactgctca tcaccccgcg gcgtgatccc tgctcttagg tgctgggcag aggggaagg 240
 tggtcagggt gaggatggtg agggagggct ggtgagggc tcagaggaat acttggaaca 300
 acagcagtggt tattgtagtg tggcagtttc ttttatacat aggtgagagt tttt 354

<210> 1789
 <211> 651
 <212> DNA
 <213> Homo sapiens

<400> 1789
 taaagggtt cttgcttttt tgaatacaaa acatgatcta ttgtaataaa aaggtaagac 60
 attgatttta caaaattata ttccaaata cagataaaaa aatcttgaac agttaattca 120
 gattttattg atctaaaatg tgcaaaatat ctgataatac ttaagtttat taaattcatt 180
 gtacataggc tgatatcatc ccatacaaaa aaatgctcag tatcttgta agattcaaaa 240
 tagtgtttaa ttatctgagc ttaagattta ttgaactact atccaaataa caacaaaagt 300
 ccatattgta aaagaaaaaa gtaaaactaa aaattttctg attattaatt gacttgaat 360
 tcattcccat taaaacataa aactatagcc aatatccatt tgaaaagtga agaaaaactg 420
 gaagtcccca tgataaatac accaattcca aataaaaaat taaaatcaaa ttttgctatt 480
 caaaacacac atgatctttt aagttattca ggtttaatag atttactaag gatagagttc 540
 atagagcatg tatttggtac ttctgtttag actcagggtt tgcaaagtcc ccaagagaag 600
 gtgagaaggt aaaataaaca taaaattggg atccttctct cccaccacac c 651

<210> 1790
 <211> 388
 <212> DNA
 <213> Homo sapiens

<400> 1790
 aaatcatgtt taacacagtg tacacaagtc agtccaacag ttagtggtta ttactaataa 60
 tatatgaaaa ccttgccaac acaattgctg ctacatcacc aatataatta ttaaccactg 120
 toggaaaaac acacataaat tcaggtaaga ctaaaagctg tctcacaaaa agaaaaaaga 180
 aatccaatgg atccactaat gctatcaaaa gggacatgca ggaatgtaac atgacatttt 240
 tagaaatgtg tgtttctaaa aagaaaaaaa aatacactaa aatgccagtg gactataatt 300
 cattcaaaac atcttttagt ttccttccca aagatcttga tctgctcagt aattgcttca 360
 caagatctat cacagccatc ttttgag 388

<210> 1791
 <211> 2442
 <212> DNA
 <213> Homo sapiens

<400> 1791
 cgggagcttg aaggacacaa gaatgggagg aaaggcggac tctcaggaac ttcattcttc 60
 acgtgggtta tgggtgattgc attgctgggc gtctggacat ctgtagctgt cgtttggttt 120
 gatcttggtg actatgagga agttctagga aaactaggaa tctatgatgc tgatgggtgat 180
 ggagattttg atgtggatga tgccaaagtt ttattaggac ttaaagagag atctacttca 240
 gagccagcag tcccgccaga agaggctgag ccacacactg agcccgagga gcaggttcct 300
 gtggaggcag aaccccgaga tatcgaagat gaagcaaaag aacaaattca gtcccttctc 360
 catgaaatgg tacacgcaga acatgttgag ggagaagact tgcaacaaga agatggaccc 420

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acaggagaac cacaacaaga ggatgatgag tttcttatgg cgactgatgt agatgataga 480
tttgagaccc tggaaacttga agtatctcat gaagaaaccg agcatagtta ccacgtggaa 540
gagacagttt cacaagactg taatcaggat atggaagaga tgatgtctga gcaggaaaat 600
ccagattcca gtgaaccagt agtagaagat gaaagattgc accatgatac agatgatgta 660
acataccaag tctatgagga acaagcagta tatgaacctc tagaaaatga agggatagaa 720
atcacagaag taactgtccc ccctgaggat aatcctgtag aagattcaca ggtaattgta 780
gaagaagtaa gcattttttcc tgtggaagaa cagcaggaag taccaccaga tacttaaagc 840
ttcaaaaaga ctgcccctac caccacagga ggaccagcct aaccatacgc tccaaaagat 900
ggctgtgata gatcttgtga agcaattact gagcagatca agatctttgg gaaggaacac 960
taaagatgtt ttgaatgaat tatagtccac tggcatttta gtgtattttt ttttcttttt 1020
agaaacacac attttctaaaa atgtcatgtt acattcctgc atgtcccttt tgatagcatt 1080
agtggatcca ttggatttct tttttctttt tgtgagacag ctttttagtct tacctgaatt 1140
tatgtgtgtt tttccgacag tggttaataa ttatattggt gatgtagcag caattgtgtt 1200
ggcagggttt tcatatatta tttagtaatta aactaactg ttggactgac ttgtgtacac 1260
tgtgttaaac atgattttaa agctattaag agtactttgt gttagcactc ttaaaaacgc 1320
taacagagat catcattagc tgtgaagatt tgagtgttat atacctgcac tgatattctt 1380
atcaaaaatt totacattag ctttaagtgt tcagattaac acttttgaaa cttttgtagc 1440
tttttagctga ttaattagaa aaattaatat ttcagtgaag gttttaaatt atcatttatt 1500
tattttttta aatgagaggg gaaagctgaa attccttggt aagacacaag gaaaaagaat 1560
ggccctacta ttatcatgca aaaatgcttt gttggcacct cagattaatc atataatagc 1620
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<210> 1792

<211> 2279

<212> DNA

<213> Homo sapiens

<400> 1792

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<210> 1793

<211> 1904

<212> DNA

<213> Homo sapiens

<400> 1793

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<210> 1794

<211> 2881

<212> DNA

<213> Homo sapiens

<400> 1794

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<210> 1795
<211> 422
<212> DNA
<213> Homo sapiens

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aatacactga gaaaataatc aaacgttttc atctctcttg tctttttttg ttttttaaaa 360
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gg

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<210> 1796
<211> 797
<212> DNA
<213> Homo sapiens

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<210> 1797
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<212> DNA
<213> Homo sapiens

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<210> 1805

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1805

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<210> 1806
<211> 255
<212> PRT
<213> Homo sapiens
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Phe Asp Leu Val Asp Tyr Glu Glu Val Leu Gly Lys Leu Gly Ile Tyr
20 25 30

Asp Ala Asp Gly Asp Gly Asp Phe Asp Val Asp Asp Ala Lys Val Leu
35 40 45

Leu Gly Leu Lys Glu Arg Ser Thr Ser Glu Pro Ala Val Pro Pro Glu
50 55 60

Glu Ala Glu Pro His Thr Glu Pro Glu Glu Gln Val Pro Val Glu Ala
65 70 75 80

Glu Pro Gln Asn Ile Glu Asp Glu Ala Lys Glu Gln Ile Gln Ser Leu
85 90 95

Leu His Glu Met Val His Ala Glu His Val Glu Gly Glu Asp Leu Gln
100 105 110

Gln Glu Asp Gly Pro Thr Gly Glu Pro Gln Gln Glu Asp Asp Glu Phe
115 120 125

Leu Met Ala Thr Asp Val Asp Asp Arg Phe Glu Thr Leu Glu Leu Glu
130 135 140

Val Ser His Glu Glu Thr Glu His Ser Tyr His Val Glu Glu Thr Val
145 150 155 160

Ser Gln Asp Cys Asn Gln Asp Met Glu Glu Met Met Ser Glu Gln Glu
165 170 175

Asn Pro Asp Ser Ser Glu Pro Val Val Glu Asp Glu Arg Leu His His
180 185 190

Asp Thr Asp Asp Val Thr Tyr Gln Val Tyr Glu Glu Gln Ala Val Tyr
195 200 205

Glu Pro Leu Glu Asn Glu Gly Ile Glu Ile Thr Glu Val Thr Val Pro

Phe Ser Asn Phe Lys Lys Val Leu Ser Lys Ser Ser Leu Thr Phe Val
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Lys Asn
 225

<210> 1808
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1808
 Met Ser Val Phe Val Leu Phe Pro Asp Phe Phe Lys Val Gly Lys Thr
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 Thr Tyr Phe Tyr Leu Asp Glu Gly Ser Gly Arg Val Glu Gln Lys Gln
 20 25 30
 Ala Ile Thr Ala Ile Ser Ser Ser Phe Thr Gly Asp Cys Pro Leu Ile
 35 40 45
 Ala Asn Val Glu
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<210> 1809
 <211> 592
 <212> PRT
 <213> Homo sapiens

<400> 1809
 Met Ala Ser Glu Ile His Met Thr Gly Pro Met Cys Leu Ile Glu Asn
 5 10 15
 Thr Asn Gly Arg Leu Met Ala Asn Pro Glu Ala Leu Lys Ile Leu Ser
 20 25 30
 Ala Ile Thr Gln Pro Met Val Val Val Ala Ile Val Gly Leu Tyr Arg
 35 40 45
 Thr Gly Lys Ser Tyr Leu Met Asn Lys Leu Ala Gly Lys Lys Lys Gly
 50 55 60
 Phe Ser Leu Gly Ser Thr Val Gln Ser His Thr Lys Gly Ile Trp Met
 65 70 75 80
 Trp Cys Val Pro His Pro Lys Lys Pro Gly His Ile Leu Val Leu Leu
 85 90 95
 Asp Thr Glu Gly Leu Gly Asp Val Glu Lys Gly Asp Asn Gln Asn Asp
 100 105 110
 Ser Trp Ile Phe Ala Leu Ala Val Leu Leu Ser Ser Thr Phe Val Tyr

TOE050" 92954860

115	120	125
Asn Ser Ile Gly Thr Ile Asn Gln Gln Ala Met Asp Gln Leu Tyr Tyr		
130	135	140
Val Thr Glu Leu Thr His Arg Ile Arg Ser Lys Ser Ser Pro Asp Glu		
145	150	155
Asn Glu Asn Glu Val Glu Asp Ser Ala Asp Phe Val Ser Phe Phe Pro		
165	170	175
Asp Phe Val Trp Thr Leu Arg Asp Phe Ser Leu Asp Leu Glu Ala Asp		
180	185	190
Gly Gln Pro Leu Thr Pro Asp Glu Tyr Leu Thr Tyr Ser Leu Lys Leu		
195	200	205
Lys Lys Gly Thr Ser Gln Lys Asp Glu Thr Phe Asn Leu Pro Arg Leu		
210	215	220
Cys Ile Arg Lys Phe Phe Pro Lys Lys Lys Cys Phe Val Phe Asp Arg		
225	230	235
Pro Val His Arg Arg Lys Leu Ala Gln Leu Glu Lys Leu Gln Asp Glu		
245	250	255
Glu Leu Asp Pro Glu Phe Val Gln Gln Val Ala Asp Phe Cys Ser Tyr		
260	265	270
Ile Phe Ser Asn Ser Lys Thr Lys Thr Leu Ser Gly Gly Ile Gln Val		
275	280	285
Asn Gly Pro Arg Leu Glu Ser Leu Val Leu Thr Tyr Val Asn Ala Ile		
290	295	300
Ser Ser Gly Asp Leu Pro Cys Met Glu Asn Ala Val Leu Ala Leu Ala		
305	310	315
Gln Ile Glu Asn Ser Ala Ala Val Gln Lys Ala Ile Ala His Tyr Glu		
325	330	335
Gln Gln Met Gly Gln Lys Val Gln Leu Pro Thr Glu Ser Leu Gln Glu		
340	345	350
Leu Leu Asp Leu His Arg Asp Ser Glu Arg Glu Ala Ile Glu Val Phe		
355	360	365
Ile Arg Ser Ser Phe Lys Asp Val Asp His Leu Phe Gln Lys Glu Leu		
370	375	380
Ala Ala Gln Leu Glu Lys Lys Arg Asp Asp Phe Cys Lys Gln Asn Gln		
385	390	395
Glu Ala Ser Ser Asp Arg Cys Ser Gly Leu Leu Gln Val Ile Phe Ser		

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<210> 1810
<211> 57
<212> PRT
<213> Homo sapiens

<400> 1810
Cys Phe Lys Ala Ser Gly Gln Ser Ser Ile Ser Phe Lys Thr Leu Phe
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Phe Leu Lys Ala Tyr Ser Val Trp Leu Ile Leu Leu Pro Phe Leu Gln
      20                                25                                30

Asp Gly Gly Arg Arg Val Asp Thr Gly Gly Arg Leu Arg Asp Thr Val
      35                                40                                45

Thr Leu Arg Ser Leu Gln Ile Glu Val
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<210> 1811
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 1811
 Met Arg Gly Ser Glu Leu Pro Leu Val Leu Leu Ala Leu Val Leu Cys
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 Leu Ala Pro Arg Gly Arg Ala Val Pro Leu Pro Ala Gly Gly Gly Thr
 20 25 30
 Val Leu Thr Lys Met Tyr Pro Arg Gly Asn His Trp Ala Val Gly His
 35 40 45
 Leu Met Gly Lys Lys Ser Thr Gly Glu Ser Ser Ser Val Ser Glu Arg
 50 55 60
 Gly Ser Leu Lys Gln Gln Leu Arg Glu Tyr Ile Arg Trp Glu Glu Ala
 65 70 75 80
 Ala Arg Asn Leu Leu Gly Leu Ile Glu Ala Lys Glu Asn Arg Asn His
 85 90 95
 Gln Pro Pro Gln Pro Lys Ala Leu Gly Asn Gln Gln Pro Ser Trp Asp
 100 105 110
 Ser Glu Asp Ser Ser Asn Phe Lys Asp Val Gly Ser Lys Gly Lys Val
 115 120 125
 Gly Arg Leu Ser Ala Pro Gly Ser Gln Arg Glu Gly Arg Asn Pro Gln
 130 135 140
 Leu Asn Gln Gln
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<210> 1812
 <211> 474
 <212> PRT
 <213> Homo sapiens

<400> 1812
 Met Val Gln Gln Thr Asn Asn Ala Glu Asn Thr Glu Ala Leu Leu Ala
 5 10 15
 Gly Glu Ser Ser Asp Ser Gly Ala Gly Leu Glu Leu Gly Ile Ala Ser
 20 25 30
 Ser Pro Thr Pro Gly Ser Thr Ala Ser Thr Gly Gly Lys Ala Asp Asp
 35 40 45
 Pro Ser Trp Cys Lys Thr Pro Ser Gly His Ile Lys Arg Pro Met Asn

50					55					60					
Ala	Phe	Met	Val	Trp	Ser	Gln	Ile	Glu	Arg	Arg	Lys	Ile	Met	Glu	Gln
65					70					75					80
Ser	Pro	Asp	Met	His	Asn	Ala	Glu	Ile	Ser	Lys	Arg	Leu	Gly	Lys	Arg
				85					90					95	
Trp	Lys	Leu	Leu	Lys	Asp	Ser	Asp	Lys	Ile	Pro	Phe	Ile	Arg	Glu	Ala
			100					105					110		
Glu	Arg	Leu	Arg	Leu	Lys	His	Met	Ala	Asp	Tyr	Pro	Asp	Tyr	Lys	Tyr
		115					120					125			
Arg	Pro	Arg	Lys	Lys	Val	Lys	Ser	Gly	Asn	Ala	Asn	Ser	Ser	Ser	Ser
						135					140				
Ala	Ala	Ala	Ser	Ser	Lys	Pro	Gly	Glu	Lys	Gly	Asp	Lys	Val	Gly	Gly
145						150					155				160
Ser	Gly	Gly	Gly	Gly	His	Gly	Gly	Gly	Gly	Gly	Gly	Gly	Ser	Ser	Asn
				165					170					175	
Ala	Gly	Gly	Gly	Gly	Gly	Gly	Ala	Ser	Gly	Gly	Gly	Ala	Asn	Ser	Lys
			180					185					190		
Pro	Ala	Gln	Lys	Lys	Ser	Cys	Gly	Ser	Lys	Val	Ala	Gly	Gly	Ala	Gly
		195					200					205			
Gly	Gly	Val	Ser	Lys	Pro	His	Ala	Lys	Leu	Ile	Leu	Ala	Gly	Gly	Gly
		210				215					220				
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225						230					235				240
Gln	Ala	Gly	Ala	Ala	Ala	Leu	Leu	Pro	Leu	Gly	Ala	Ala	Ala	Asp	His
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His	Ser	Leu	Tyr	Lys	Ala	Arg	Thr	Pro	Ser	Ala	Ser	Ala	Ser	Ala	Ser
			260					265					270		
Ser	Ala	Ala	Ser	Ala	Ser	Ala	Ala	Leu	Ala	Ala	Pro	Gly	Lys	His	Leu
		275					280					285			
Ala	Glu	Lys	Lys	Val	Lys	Arg	Val	Tyr	Leu	Phe	Gly	Gly	Leu	Gly	Thr
		290				295					300				
Ser	Ser	Ser	Pro	Val	Gly	Gly	Val	Gly	Ala	Gly	Ala	Asp	Pro	Ser	Asp
305						310					315				320
Pro	Leu	Gly	Leu	Tyr	Glu	Glu	Glu	Gly	Ala	Gly	Cys	Ser	Pro	Asp	Ala
				325					330					335	
Pro	Ser	Leu	Ser	Gly	Arg	Ser	Ser	Ala	Ala	Ser	Ser	Pro	Ala	Ala	Gly

340 345 350
 Arg Ser Pro Ala Asp His Arg Gly Tyr Ala Ser Leu Arg Ala Ala Ser
 355 360 365
 Pro Ala Pro Ser Ser Ala Pro Ser His Ala Ser Ser Ser Ala Ser Ser
 370 375 380
 His Ser Ser Ser Ser Ser Ser Ser Gly Ser Ser Ser Ser Asp Asp Glu
 385 390 395 400
 Phe Glu Asp Asp Leu Leu Asp Leu Asn Pro Ser Ser Asn Phe Glu Ser
 405 410 415
 Met Ser Leu Gly Ser Phe Ser Ser Ser Ser Ala Leu Asp Arg Asp Leu
 420 425 430
 Asp Phe Asn Phe Glu Pro Gly Ser Gly Ser His Phe Glu Phe Pro Asp
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 Tyr Cys Thr Pro Glu Val Ser Glu Met Ile Ser Gly Asp Trp Leu Glu
 450 455 460
 Ser Ser Ile Ser Asn Leu Val Phe Thr Tyr
 465 470

<210> 1813

<211> 238

<212> PRT

<213> Homo sapiens

<400> 1813

Met Glu Ser Ser Ala Lys Met Glu Ser Gly Gly Ala Gly Gln Gln Pro
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Gln Pro Gln Pro Gln Gln Pro Phe Leu Pro Pro Ala Ala Cys Phe Phe
 20 25 30

Ala Thr Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gln
 35 40 45

Ser Ala Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln Gln
 50 55 60

Ala Pro Gln Leu Arg Pro Ala Ala Asp Gly Gln Pro Ser Gly Gly Gly
 65 70 75 80

His Lys Ser Ala Pro Lys Gln Val Lys Arg Gln Arg Ser Ser Ser Pro
 85 90 95

Glu Leu Met Arg Cys Lys Arg Arg Leu Asn Phe Ser Gly Phe Gly Tyr
 100 105 110

Ser Leu Pro Gln Gln Gln Pro Ala Ala Val Ala Arg Arg Asn Glu Arg
115 120 125

Glu Arg Asn Arg Val Lys Leu Val Asn Leu Gly Phe Ala Thr Leu Arg
130 135 140

Glu His Val Pro Asn Gly Ala Ala Asn Lys Lys Met Ser Lys Val Glu
145 150 155 160

Thr Leu Arg Ser Ala Val Glu Tyr Ile Arg Ala Leu Gln Gln Leu Leu
165 170 175

Asp Glu His Asp Ala Val Ser Ala Ala Phe Gln Ala Gly Val Leu Ser
180 185 190

Pro Thr Ile Ser Pro Asn Tyr Ser Asn Asp Leu Asn Ser Met Ala Gly
195 200 205

Ser Pro Val Ser Ser Tyr Ser Ser Asp Glu Gly Ser Tyr Asp Pro Leu
210 215 220

Ser Pro Glu Glu Gln Glu Leu Leu Asp Phe Thr Asn Trp Phe
225 230 235

<210> 1814

<211> 68

<212> PRT

<213> Homo sapiens

<400> 1814

Met Val Tyr Tyr Pro Glu Leu Phe Val Trp Val Ser Gln Glu Pro Phe
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Pro Asn Lys Asp Met Glu Gly Arg Leu Pro Lys Gly Arg Leu Pro Val
20 25 30

Pro Lys Glu Val Asn Arg Lys Lys Asn Asp Glu Thr Asn Ala Ala Ser
35 40 45

Leu Thr Pro Leu Gly Ser Ser Glu Leu Arg Ser Pro Arg Ile Ser Tyr
50 55 60

Leu His Phe Phe
65

<210> 1815

<211> 572

<212> PRT

<213> Homo sapiens

<400> 1815

Met Ser Tyr Gln Gly Lys Lys Ser Ile Pro His Ile Thr Ser Asp Arg

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 Leu Ala Cys Gly Asp Leu Gln Val Thr Gly Ser Gly His Cys Pro Tyr
 325 330 335
 Ser Thr Ala Gln Lys Ala Val Gly Lys Asp Asn Phe Thr Leu Ile Pro
 340 345 350
 Glu Gly Val Asn Gly Ile Glu Glu Arg Met Thr Val Val Trp Asp Lys
 355 360 365
 Ala Val Ala Thr Gly Lys Met Asp Glu Asn Gln Phe Val Ala Val Thr
 370 375 380
 Ser Thr Asn Ala Ala Lys Ile Phe Asn Leu Tyr Pro Arg Lys Gly Arg
 385 390 395 400
 Ile Ala Val Gly Ser Asp Ala Asp Val Val Ile Trp Asp Pro Asp Lys
 405 410 415
 Leu Lys Thr Ile Thr Ala Lys Ser His Lys Ser Ala Val Glu Tyr Asn
 420 425 430
 Ile Phe Glu Gly Met Glu Cys His Gly Ser Pro Leu Val Val Ile Ser
 435 440 445
 Gln Gly Lys Ile Val Phe Glu Asp Gly Asn Ile Asn Val Asn Lys Gly
 450 455 460
 Met Gly Arg Phe Ile Pro Arg Lys Ala Phe Pro Glu His Leu Tyr Gln
 465 470 475 480
 Arg Val Lys Ile Arg Asn Lys Val Phe Gly Leu Gln Gly Val Ser Arg
 485 490 495
 Gly Met Tyr Asp Gly Pro Val Tyr Glu Val Pro Ala Thr Pro Lys Tyr
 500 505 510
 Ala Thr Pro Ala Pro Ser Ala Lys Ser Ser Pro Ser Lys His Gln Pro
 515 520 525
 Pro Pro Ile Arg Asn Leu His Gln Ser Asn Phe Ser Leu Ser Gly Ala
 530 535 540
 Gln Ile Asp Asp Asn Asn Pro Arg Arg Thr Gly His Arg Ile Val Ala
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 Pro Pro Gly Gly Arg Ser Asn Ile Thr Ser Leu Gly
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<210> 1816
<211> 325
<212> PRT
<213> Homo sapiens
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			20					25					30		
Gln	Val	Gln	Lys	Leu	Thr	Glu	Glu	Asn	Thr	Thr	Leu	Arg	Glu	Gln	Val
		35					40					45			
Glu	Pro	Thr	Pro	Glu	Asp	Glu	Asp	Asp	Asp	Ile	Glu	Leu	Arg	Gly	Ala
	50					55					60				
Ala	Ala	Ala	Ala	Ala	Pro	Pro	Pro	Pro	Ile	Glu	Glu	Glu	Cys	Pro	Glu
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Asp	Leu	Pro	Glu	Lys	Phe	Asp	Gly	Asn	Pro	Asp	Met	Leu	Ala	Pro	Phe
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Met	Ala	Gln	Cys	Gln	Ile	Phe	Met	Glu	Lys	Ser	Thr	Arg	Asp	Phe	Ser
			100					105					110		
Val	Asp	Arg	Val	Arg	Val	Cys	Phe	Val	Thr	Ser	Met	Met	Thr	Gly	Arg
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Ala	Ala	Arg	Trp	Ala	Ser	Ala	Lys	Leu	Glu	Arg	Ser	His	Tyr	Leu	Met
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Pro	Gln	Arg	Arg	Glu	Val	Ala	Lys	Arg	Lys	Ile	Arg	Arg	Leu	Arg	Gln
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Gly	Met	Gly	Ser	Val	Ile	Asp	Tyr	Ser	Asn	Ala	Phe	Gln	Met	Ile	Ala
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Lys	Ser	Leu	Ser	Ala	Leu	Ile	Gly	Gln	Cys	Ile	His	Ile	Glu	Arg	Arg
225					230					235					240
Leu	Ala	Arg	Ala	Ala	Ala	Ala	Arg	Lys	Pro	Arg	Ser	Pro	Pro	Arg	Ala
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Leu Val Leu Pro His Ile Ala Ser His His Gln Val Asp Pro Thr Glu
260 265 270

Pro Val Gly Gly Ala Arg Met Arg Leu Thr Gln Glu Glu Lys Glu Arg
275 280 285

Arg Arg Lys Leu Asn Leu Cys Leu Tyr Cys Gly Thr Gly Gly His Tyr
290 295 300

Ala Asp Asn Cys Pro Ala Lys Ala Ser Lys Ser Ser Pro Ala Gly Asn
305 310 315 320

Ser Pro Ala Pro Leu
325

<210> 1817

<211> 357

<212> PRT

<213> Homo sapiens

<400> 1817

Met Leu Gln Ile His Leu Pro Gly Arg His Thr Leu Phe Val Arg Ala
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Met Ile Asp Ser Gly Ala Ser Gly Asn Phe Ile Asp His Glu Tyr Val
20 25 30

Ala Gln Asn Gly Ile Pro Leu Arg Ile Lys Asp Trp Pro Ile Leu Val
35 40 45

Glu Ala Ile Asp Gly Arg Pro Ile Ala Ser Gly Pro Val Val His Glu
50 55 60

Thr His Asp Leu Ile Val Asp Leu Gly Asp His Arg Glu Val Leu Ser
65 70 75 80

Phe Asp Val Thr Gln Ser Pro Phe Phe Pro Val Val Leu Gly Val Arg
85 90 95

Trp Leu Ser Thr His Asp Pro Asn Ile Thr Trp Ser Thr Arg Ser Ile
100 105 110

Val Phe Asp Ser Glu Tyr Cys Arg Tyr His Cys Arg Met Tyr Ser Pro
115 120 125

Ile Pro Pro Ser Leu Pro Pro Pro Ala Pro Gln Pro Pro Leu Tyr Tyr
130 135 140

Pro Val Asp Gly Tyr Arg Val Tyr Gln Pro Val Arg Tyr Tyr Tyr Val
145 150 155 160

Gln Asn Val Tyr Thr Pro Val Asp Glu His Val Tyr Pro Asp His Arg
165 170 175

Phe	Ser	Val	Val	Phe	Ser	Leu	Leu	Leu	Thr	Gly	Thr	Pro	Ile	Gln	Asn
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Ser	Leu	Gln	Glu	Leu	Tyr	Ser	Leu	Leu	Ser	Phe	Val	Glu	Pro	Asp	Leu
	210					215					220				
Phe	Ser	Lys	Glu	Glu	Val	Gly	Asp	Phe	Ile	Gln	Arg	Tyr	Gln	Asp	Ile
225					230					235					240
Glu	Lys	Glu	Ser	Glu	Ser	Ala	Ser	Glu	Leu	His	Lys	Leu	Leu	Gln	Pro
				245					250					255	
Phe	Leu	Leu	Arg	Arg	Val	Lys	Ala	Glu	Val	Ala	Thr	Glu	Leu	Pro	Lys
			260					265					270		
Lys	Thr	Glu	Val	Val	Ile	Tyr	His	Gly	Met	Ser	Ala	Leu	Gln	Lys	Lys
		275					280					285			
Tyr	Tyr	Lys	Ala	Ile	Leu	Met	Lys	Asp	Leu	Asp	Ala	Phe	Glu	Asn	Glu
	290					295					300				
Thr	Ala	Lys	Lys	Val	Lys	Leu	Gln	Asn	Ile	Leu	Ser	Gln	Leu	Arg	Lys
305					310					315					320
Cys	Val	Asp	His	Pro	Tyr	Leu	Phe	Asp	Gly	Val	Glu	Pro	Glu	Pro	Phe
				325					330					335	
Glu	Val	Gly	Asp	His	Leu	Thr	Glu	Ala	Ser	Gly	Lys	Leu	His	Leu	Leu
			340					345					350		
Asp	Lys	Leu	Leu	Ala	Phe	Leu	Tyr	Ser	Gly	Gly	His	Arg	Val	Leu	Leu
		355					360					365			
Phe	Ser	Gln	Met	Thr	Gln	Met	Leu	Asp	Ile	Leu	Gln	Asp	Tyr	Met	Asp
	370					375					380				
Tyr	Arg	Gly	Tyr	Ser	Tyr	Glu	Arg	Val	Asp	Gly	Ser	Val	Arg	Gly	Glu
385					390					395					400
Glu	Arg	His	Leu	Ala	Ile	Lys	Asn	Phe	Gly	Gln	Gln	Pro	Ile	Phe	Val
				405					410					415	
Phe	Leu	Leu	Ser	Thr	Arg	Ala	Gly	Gly	Val	Gly	Met	Asn	Leu	Thr	Ala
			420					425					430		
Ala	Asp	Thr	Val	Ile	Phe	Val	Asp	Ser	Asp	Phe	Asn	Pro	Gln	Asn	Asp
		435					440					445			
Leu	Gln	Ala	Ala	Ala	Arg	Ala	His	Arg	Ile	Gly	Gln	Asn	Lys	Ser	Val
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Lys	Val	Ile	Arg	Leu	Ile	Gly	Arg	Asp	Thr	Val	Glu	Glu	Ile	Val	Tyr
465					470					475					480

Arg	Lys	Ala	Ala	Ser	Lys	Leu	Gln	Leu	Thr	Asn	Met	Ile	Ile	Glu	Gly
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Gly	His	Phe	Thr	Leu	Gly	Ala	Gln	Lys	Pro	Ala	Ala	Asp	Ala	Asp	Leu
			500					505					510		
Gln	Leu	Ser	Glu	Ile	Leu	Lys	Phe	Gly	Leu	Asp	Lys	Leu	Leu	Ala	Ser
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Glu	Gly	Ser	Thr	Met	Asp	Glu	Ile	Asp	Leu	Glu	Ser	Ile	Leu	Gly	Glu
	530					535					540				
Thr	Lys	Asp	Gly	Gln	Trp	Val	Ser	Asp	Ala	Leu	Pro	Ala	Ala	Glu	Gly
545					550					555					560
Gly	Ser	Arg	Asp	Gln	Glu	Glu	Gly	Lys	Asn	His	Met	Tyr	Leu	Phe	Glu
				565					570					575	
Gly	Lys	Asp	Tyr	Ser	Lys	Glu	Pro	Ser	Lys	Glu	Asp	Arg	Lys	Ser	Phe
			580					585					590		
Glu	Gln	Leu	Val	Asn	Leu	Gln	Lys	Thr	Leu	Leu	Glu	Lys	Ala	Ser	Gln
		595					600					605			
Glu	Gly	Arg	Ser	Leu	Arg	Asn	Lys	Gly	Ser	Val	Leu	Ile	Pro	Gly	Leu
	610					615					620				
Val	Glu	Gly	Ser	Thr	Lys	Arg	Lys	Arg	Val	Leu	Ser	Pro	Glu	Glu	Leu
625					630					635					640
Glu	Asp	Arg	Gln	Lys	Lys	Arg	Gln	Glu	Ala	Ala	Ala	Lys	Arg	Arg	Arg
				645					650					655	
Leu	Ile	Glu	Glu	Lys	Lys	Arg	Gln	Lys	Glu	Glu	Ala	Glu	His	Lys	Lys
			660					665					670		
Lys	Val	Ala	Trp	Trp	Glu	Ser	Asn	Asn	Tyr	Gln	Ser	Phe	Cys	Leu	Pro
		675					680					685			
Ser	Glu	Glu	Ser	Glu	Pro	Glu	Asp	Leu	Glu	Asn	Gly	Glu	Glu	Ser	Ser
	690					695					700				
Ala	Glu	Leu	Asp	Tyr	Gln	Asp	Pro	Asp	Ala	Thr	Ser	Leu	Lys	Tyr	Val
705					710					715					720
Ser	Gly	Asp	Val	Thr	His	Pro	Gln	Ala	Gly	Ala	Glu	Asp	Ala	Leu	Ile
				725					730					735	
Val	His	Cys	Val	Asp	Asp	Ser	Gly	His	Trp	Gly	Arg	Gly	Gly	Leu	Phe
			740					745					750		
Thr	Ala	Leu	Glu	Lys	Arg	Ser	Ala	Glu	Pro	Arg	Lys	Ile	Tyr	Glu	Leu
		755					760					765			

Ala Gly Lys Met Lys Asp Leu Ser Leu Gly Gly Val Leu Leu Phe Pro
770 775 780

Val Asp Asp Lys Glu Ser Arg Asn Lys Gly Gln Asp Leu Leu Ala Leu
785 790 795 800

Ile Val Ala Gln His Arg Asp Arg Ser Asn Val Leu Ser Gly Ile Lys
805 810 815

Met Ala Ala Leu Glu Glu Gly Leu Lys Lys Ile Phe Leu Ala Ala
820 825 830

<210> 1820

<211> 212

<212> PRT

<213> Homo sapiens

<400> 1820

Met Leu Asn Lys Val Leu Ser Arg Leu Gly Val Ala Gly Gln Trp Arg
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Phe Val Asp Val Leu Gly Leu Glu Glu Glu Ser Leu Gly Ser Val Pro
20 25 30

Ala Pro Ala Cys Ala Leu Leu Leu Phe Pro Leu Thr Ala Gln His
35 40 45

Glu Asn Phe Arg Lys Lys Gln Ile Glu Glu Leu Lys Gly Gln Glu Val
50 55 60

Ser Pro Lys Val Tyr Phe Met Lys Gln Thr Ile Gly Asn Ser Cys Gly
65 70 75 80

Thr Ile Gly Leu Ile His Ala Val Ala Asn Asn Gln Asp Lys Leu Gly
85 90 95

Phe Glu Asp Gly Ser Val Leu Lys Gln Phe Leu Ser Glu Thr Glu Lys
100 105 110

Met Ser Pro Glu Asp Arg Ala Lys Cys Phe Glu Lys Asn Glu Ala Ile
115 120 125

Gln Ala Ala His Asp Ala Val Ala Gln Glu Gly Gln Cys Arg Val Asp
130 135 140

Asp Lys Val Asn Phe His Phe Ile Leu Phe Asn Asn Val Asp Gly His
145 150 155 160

Leu Tyr Glu Leu Asp Gly Arg Met Pro Phe Pro Val Asn His Gly Ala
165 170 175

Ser Ser Glu Asp Thr Leu Leu Lys Asp Ala Ala Lys Val Cys Arg Glu
180 185 190

1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217		2217-2218		2218-2219		2219-2220		2220-2221		2221-2222		2222-2223		2223-2224	
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Cys Lys Ala Ala
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<210> 1821

<211> 323

<212> PRT

<213> Homo sapiens

<400> 1821

Met Asp Ser Lys Tyr Gln Cys Val Lys Leu Asn Asp Gly His Phe Met
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Pro Val Leu Gly Phe Gly Thr Tyr Ala Pro Ala Glu Val Pro Lys Ser
 20 25 30

Lys Ala Leu Glu Ala Val Lys Leu Ala Ile Glu Ala Gly Tyr His His
 35 40 45

Ile Asp Ser Ala His Val Tyr Asn Asn Glu Glu Gln Val Gly Leu Ala
 50 55 60

Ile Arg Ser Lys Ile Ala Asp Gly Ser Val Lys Arg Glu Asp Ile Phe
 65 70 75 80

Tyr Thr Ser Lys Leu Trp Ser Asn Ser His Arg Pro Glu Leu Val Arg
 85 90 95

Pro Ala Leu Glu Arg Ser Leu Lys Asn Leu Gln Leu Asp Tyr Ala Asp
 100 105 110

Leu Tyr Leu Ile His Phe Pro Val Ser Val Lys Pro Gly Glu Glu Val
 115 120 125

Ile Pro Lys Asp Glu Asn Gly Lys Ile Leu Phe Asp Thr Val Asp Leu
 130 135 140

Cys Ala Thr Trp Glu Ala Met Glu Lys Cys Lys Asp Ala Gly Leu Ala
 145 150 155 160

Lys Ser Ile Gly Val Ser Asn Phe Asn His Arg Leu Leu Glu Met Ile
 165 170 175

Leu Asn Glu Pro Gly Leu Lys Tyr Glu Pro Val Cys Asn Gln Val Glu
 180 185 190

Cys His Pro Tyr Phe Asn Gln Arg Lys Leu Leu Asp Phe Cys Lys Ser
 195 200 205

Lys Asp Ile Val Leu Val Ala Tyr Ser Ala Leu Gly Ser His Arg Glu

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<210> 1822
<211> 141
<212> PRT
<213> Homo sapiens
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Glu Ser Ser Pro Ala Asp Pro Ala Thr Leu Ser Glu Asp Glu Ala Arg
      35                      40                    45

Leu Leu Leu Ala Ala Leu Val Gln Asp Tyr Val Gln Met Lys Ala Ser
      50                      55                    60

Glu Leu Glu Gln Glu Gln Glu Arg Glu Gly Ser Ser Leu Asp Ser Pro
      65                      70                    75                    80

Arg Ser Lys Arg Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr
      85                      90                    95

Thr Gln Asp Phe Asn Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly
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Val Gly Ala Pro Gly Lys Lys Arg Asp Met Ser Ser Asp Leu Glu Arg
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<211> 6188
<212> DNA
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 35 40 45
 Ala Ser Ser Gln Lys Ala Trp Gln Ile Ile Arg Asp Gly Glu Met Pro
 50 55 60
 Lys Thr Leu Ala Cys Thr Glu Arg Pro Ser Lys Asn Ser His Pro Val
 65 70 75 80
 Gln Val Gly Arg Ile Ile Leu Glu Asp Tyr His Asp His Gly Leu Leu

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100 105 110

Cys Val Ile Tyr Gln Pro Pro Lys Glu Pro His Met Leu Phe Asp Arg
115 120 125

Ile Arg Leu Val Val Thr Lys Gly Phe Ser Gly Thr Pro Gly Ser Asn
130 135 140

Glu Asn Ser Thr Gln Asn Val Tyr Lys Ile Pro Pro Thr Thr Thr Lys
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Ala Leu Cys Pro Leu Tyr Thr Ser Pro Arg Thr Val Thr Gln Ala Pro
165 170 175

Pro Lys Ser Thr Ala Asp Val Ser Thr Pro Asp Ser Glu Ile Asn Leu
180 185 190

Thr Asn Val Thr Asp Ile Ile Arg Val Pro Val Phe Asn Ile Val Ile
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210 215 220

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225 230

<210> 1826
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<210> 1828

<211> 141
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<210> 1829
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<210> 1830
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 35 40 45

Ala Thr Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly
 50 55 60

TC0050" 32954350

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<211> 47

<212> PRT

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<211> 37

<212> PRT

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20 25 30

Gly Glu Asp Asn Thr
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1832-1833

2020-03-04 09:04:36

1. Name		2. Age	3. Sex	4. Height (cm)	5. Weight (kg)	6. BMI (kg/m ²)	7. Waist circumference (cm)	8. Hip circumference (cm)	9. Waist-hip ratio	10. Systolic blood pressure (mmHg)	11. Diastolic blood pressure (mmHg)	12. Heart rate (b/min)	13. Fasting glucose (mmol/L)	14. Fasting insulin (mU/L)	15. HbA1c (%)	16. Lipid profile (mmol/L)	17. Lipid profile (mmol/L)	18. Lipid profile (mmol/L)	19. Lipid profile (mmol/L)	20. Lipid profile (mmol/L)	21. Lipid profile (mmol/L)	22. Lipid profile (mmol/L)	23. Lipid profile (mmol/L)	24. Lipid profile (mmol/L)	25. Lipid profile (mmol/L)	26. Lipid profile (mmol/L)	27. Lipid profile (mmol/L)	28. Lipid profile (mmol/L)	29. Lipid profile (mmol/L)	30. Lipid profile (mmol/L)	31. Lipid profile (mmol/L)	32. Lipid profile (mmol/L)	33. Lipid profile (mmol/L)	34. Lipid profile (mmol/L)	35. Lipid profile (mmol/L)	36. Lipid profile (mmol/L)	37. Lipid profile (mmol/L)	38. Lipid profile (mmol/L)	39. Lipid profile (mmol/L)	40. Lipid profile (mmol/L)	41. Lipid profile (mmol/L)	42. Lipid profile (mmol/L)	43. Lipid profile (mmol/L)	44. Lipid profile (mmol/L)	45. Lipid profile (mmol/L)	46. Lipid profile (mmol/L)	47. Lipid profile (mmol/L)	48. Lipid profile (mmol/L)	49. Lipid profile (mmol/L)	50. Lipid profile (mmol/L)	51. Lipid profile (mmol/L)	52. Lipid profile (mmol/L)	53. Lipid profile (mmol/L)	54. Lipid profile (mmol/L)	55. Lipid profile (mmol/L)	56. Lipid profile (mmol/L)	57. Lipid profile (mmol/L)	58. Lipid profile (mmol/L)	59. Lipid profile (mmol/L)	60. Lipid profile (mmol/L)	61. Lipid profile (mmol/L)	62. Lipid profile (mmol/L)	63. Lipid profile (mmol/L)	64. Lipid profile (mmol/L)	65. Lipid profile (mmol/L)	66. Lipid profile (mmol/L)	67. Lipid profile (mmol/L)	68. Lipid profile (mmol/L)	69. Lipid profile (mmol/L)	70. Lipid profile (mmol/L)	71. Lipid profile (mmol/L)	72. Lipid profile (mmol/L)	73. Lipid profile (mmol/L)	74. Lipid profile (mmol/L)	75. Lipid profile (mmol/L)	76. Lipid profile (mmol/L)	77. Lipid profile (mmol/L)	78. Lipid profile (mmol/L)	79. Lipid profile (mmol/L)	80. Lipid profile (mmol/L)	81. Lipid profile (mmol/L)	82. Lipid profile (mmol/L)	83. Lipid profile (mmol/L)	84. Lipid profile (mmol/L)	85. Lipid profile (mmol/L)	86. Lipid profile (mmol/L)	87. Lipid profile (mmol/L)	88. Lipid profile (mmol/L)	89. Lipid profile (mmol/L)	90. Lipid profile (mmol/L)	91. Lipid profile (mmol/L)	92. Lipid profile (mmol/L)	93. Lipid profile (mmol/L)	94. Lipid profile (mmol/L)	95. Lipid profile (mmol/L)	96. Lipid profile (mmol/L)	97. Lipid profile (mmol/L)	98. Lipid profile (mmol/L)	99. Lipid profile (mmol/L)	100. Lipid profile (mmol/L)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

Variable	Mean	SD	Min	Max
Age	38.5	10.5	25	55
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Teacher			
Income	1500	500	1000	2000
Health status	Good			
Stress level	Low			
Life satisfaction	High			
Family size	3	1	2	4
Religious belief	Religious			
Political view	Conservative			
Environmental concern	High			
Artistic interest	Low			
Music preference	Classical			
Food preference	Vegetarian			
Travel frequency	Low			
Exercise frequency	Low			
Smoking status	Non-smoker			
Alcohol consumption	Low			
Drug use	None			
Chronic illness	None			
Acute illness	None			
Psychiatric history	None			
Substance use	None			
Genetic factors	None			
Environmental factors	Low			
Social factors	Low			
Economic factors	Low			
Cultural factors	Low			
Religious factors	Low			
Political factors	Low			
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<212> PRT

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<213> Homo sapiens

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For more information

FOR THE

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FOR "SECRET"

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TOO" 934660

5

10

15

THE "GREAT" 1940-1941

TOO "WASHED"

T06050" 3335+360

Ala Phe Phe Val

TOE030"9236+360

TOP SECRET

TOEAD" 9354360

FOR THE "SECRET"


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Cognitive variables		Emotional variables		Behavioral variables	
Variable	Mean (SD)	Variable	Mean (SD)	Variable	Mean (SD)
1. Verbal ability	100.0 (15.0)	1. Anxiety	1.0 (1.0)	1. Verbal ability	100.0 (15.0)
2. Nonverbal ability	100.0 (15.0)	2. Depression	1.0 (1.0)	2. Nonverbal ability	100.0 (15.0)
3. Reading ability	100.0 (15.0)	3. Self-esteem	1.0 (1.0)	3. Reading ability	100.0 (15.0)
4. Math ability	100.0 (15.0)	4. Social skills	1.0 (1.0)	4. Math ability	100.0 (15.0)
5. Spelling ability	100.0 (15.0)	5. Peer relationships	1.0 (1.0)	5. Spelling ability	100.0 (15.0)
6. Writing ability	100.0 (15.0)	6. Teacher relationships	1.0 (1.0)	6. Writing ability	100.0 (15.0)
7. Grammar ability	100.0 (15.0)	7. Parent relationships	1.0 (1.0)	7. Grammar ability	100.0 (15.0)
8. Vocabulary ability	100.0 (15.0)	8. Friend relationships	1.0 (1.0)	8. Vocabulary ability	100.0 (15.0)
9. Comprehension ability	100.0 (15.0)	9. Teacher relationships	1.0 (1.0)	9. Comprehension ability	100.0 (15.0)
10. Fluency ability	100.0 (15.0)	10. Parent relationships	1.0 (1.0)	10. Fluency ability	100.0 (15.0)
11. Accuracy ability	100.0 (15.0)	11. Friend relationships	1.0 (1.0)	11. Accuracy ability	100.0 (15.0)
12. Speed ability	100.0 (15.0)	12. Teacher relationships	1.0 (1.0)	12. Speed ability	100.0 (15.0)
13. Persistence ability	100.0 (15.0)	13. Parent relationships	1.0 (1.0)	13. Persistence ability	100.0 (15.0)
14. Attention ability	100.0 (15.0)	14. Friend relationships	1.0 (1.0)	14. Attention ability	100.0 (15.0)
15. Motivation ability	100.0 (15.0)	15. Teacher relationships	1.0 (1.0)	15. Motivation ability	100.0 (15.0)
16. Self-regulation ability	100.0 (15.0)	16. Parent relationships	1.0 (1.0)	16. Self-regulation ability	100.0 (15.0)
17. Problem-solving ability	100.0 (15.0)	17. Friend relationships	1.0 (1.0)	17. Problem-solving ability	100.0 (15.0)
18. Decision-making ability	100.0 (15.0)	18. Teacher relationships	1.0 (1.0)	18. Decision-making ability	100.0 (15.0)
19. Communication ability	100.0 (15.0)	19. Parent relationships	1.0 (1.0)	19. Communication ability	100.0 (15.0)
20. Collaboration ability	100.0 (15.0)	20. Friend relationships	1.0 (1.0)	20. Collaboration ability	100.0 (15.0)
21. Leadership ability	100.0 (15.0)	21. Teacher relationships	1.0 (1.0)	21. Leadership ability	100.0 (15.0)
22. Teamwork ability	100.0 (15.0)	22. Parent relationships	1.0 (1.0)	22. Teamwork ability	100.0 (15.0)
23. Conflict resolution ability	100.0 (15.0)	23. Friend relationships	1.0 (1.0)	23. Conflict resolution ability	100.0 (15.0)
24. Problem-solving ability	100.0 (15.0)	24. Teacher relationships	1.0 (1.0)	24. Problem-solving ability	100.0 (15.0)
25. Decision-making ability	100.0 (15.0)	25. Parent relationships	1.0 (1.0)	25. Decision-making ability	100.0 (15.0)
26. Communication ability	100.0 (15.0)	26. Friend relationships	1.0 (1.0)	26. Communication ability	100.0 (15.0)
27. Collaboration ability	100.0 (15.0)	27. Teacher relationships	1.0 (1.0)	27. Collaboration ability	100.0 (15.0)
28. Leadership ability	100.0 (15.0)	28. Parent relationships	1.0 (1.0)	28. Leadership ability	100.0 (15.0)
29. Teamwork ability	100.0 (15.0)	29. Friend relationships	1.0 (1.0)	29. Teamwork ability	100.0 (15.0)
30. Conflict resolution ability	100.0 (15.0)	30. Teacher relationships	1.0 (1.0)	30. Conflict resolution ability	100.0 (15.0)
31. Problem-solving ability	100.0 (15.0)	31. Parent relationships	1.0 (1.0)	31. Problem-solving ability	100.0 (15.0)
32. Decision-making ability	100.0 (15.0)	32. Friend relationships	1.0 (1.0)	32. Decision-making ability	100.0 (15.0)
33. Communication ability	100.0 (15.0)	33. Teacher relationships	1.0 (1.0)	33. Communication ability	100.0 (15.0)
34. Collaboration ability	100.0 (15.0)	34. Parent relationships	1.0 (1.0)	34. Collaboration ability	100.0 (15.0)
35. Leadership ability	100.0 (15.0)	35. Friend relationships	1.0 (1.0)	35. Leadership ability	100.0 (15.0)
36. Teamwork ability	100.0 (15.0)	36. Teacher relationships	1.0 (1.0)	36. Teamwork ability	100.0 (15.0)
37. Conflict resolution ability	100.0 (15.0)	37. Parent relationships	1.0 (1.0)	37. Conflict resolution ability	100.0 (15.0)
38. Problem-solving ability	100.0 (15.0)	38. Friend relationships	1.0 (1.0)	38. Problem-solving ability	100.0 (15.0)
39. Decision-making ability	100.0 (15.0)	39. Teacher relationships	1.0 (1.0)	39. Decision-making ability	100.0 (15.0)
40. Communication ability	100.0 (15.0)	40. Parent relationships	1.0 (1.0)	40. Communication ability	100.0 (15.0)
41. Collaboration ability	100.0 (15.0)	41. Friend relationships	1.0 (1.0)	41. Collaboration ability	100.0 (15.0)
42. Leadership ability	100.0 (15.0)	42. Teacher relationships	1.0 (1.0)	42. Leadership ability	100.0 (15.0)
43. Teamwork ability	100.0 (15.0)	43. Parent relationships	1.0 (1.0)	43. Teamwork ability	100.0 (15.0)
44. Conflict resolution ability	100.0 (15.0)	44. Friend relationships	1.0 (1.0)	44. Conflict resolution ability	100.0 (15.0)
45. Problem-solving ability	100.0 (15.0)	45. Teacher relationships	1.0 (1.0)	45. Problem-solving ability	100.0 (15.0)
46. Decision-making ability	100.0 (15.0)	46. Parent relationships	1.0 (1.0)	46. Decision-making ability	100.0 (15.0)
47. Communication ability	100.0 (15.0)	47. Friend relationships	1.0 (

Arg Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys
5 10 15

<213> Homo sapiens

Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
5 10 15

<213> Homo sapiens

Asp Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys
5 10 15

<213> Homo sapiens

Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
5 10 15

<213> Homo sapiens

<400> 1847

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Gly Asp Val Ala
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<210> 1848
 <211> 20
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<400> 1848
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 5 10 15

Glu Met Trp Asn
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<210> 1849
 <211> 20
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<400> 1849
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Ser Glu Lys Gln
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<210> 1850
 <211> 20
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 <213> Homo sapiens

<400> 1850
 Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
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Lys Ala Ala Lys
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<210> 1851
 <211> 20
 <212> PRT
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<400> 1851
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Tyr Glu Lys Asp
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<210> 1852
<211> 20
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<400> 1852
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5 10 15

Lys Ser Lys Gly
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<210> 1853
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<213> Homo sapiens

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Tyr Glu Lys Asp Val Ala Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly
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Ala Lys Gly Pro
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<210> 1854
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<212> PRT
<213> Homo sapiens

<400> 1854
Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
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Arg Lys Lys Val
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<210> 1855
<211> 20
<212> PRT
<213> Homo sapiens

<400> 1855
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5 10 15

Glu Glu Glu Glu

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20

<210> 1856
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 1856
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 5 10 15
 Glu Glu Glu Glu
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<210> 1857
 <211> 28
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 1857
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28

<210> 1858
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 1858
 ggactcgagc tactgcaagt ctggtgtgga tg

32

<210> 1859
 <211> 33
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 1859
 agatgaattc acgcgtccgc gccgcgcggc gca

33

<210> 1860
 <211> 31

<213> Artificial Sequence

<223> PCR primer

agttctcgaq tcacctccct gggcccccttt g

31

<211> 945

<213> Homo sapiens

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accgttcata	tcgggcctac	cgccttcctc	ggcttgggtg	ttgtcgacaa	caacggcaac	180
ggcgcacgag	tccaacgcgt	ggtcgggagc	gctccggcgg	caagtctcgg	catctccacc	240
ggcgacgtga	taccgcgggt	cgacggcgct	ccgatcaact	cggccaccgc	gatggcggac	300
gcgcttaacg	ggcatcatcc	cggtgacgtc	atctcggtga	cctggcaaac	caagtcgggc	360
ggcacgcgta	cagggaaact	gacattggcc	gagggacccc	cggccgaatt	cacgcgtccg	420
cgccgcgcgg	cgcaggggag	gcgagaggcg	ccccccgggtg	gagagcctga	gccccgcgca	480
agtctggcgg	cacctggcga	gcggagccgg	agtcgggctg	gggaccgcgg	ggttgaggcc	540
ggaccgcggc	ggggtcgggg	gagaaacgcg	cgctgccctg	gcacggggccc	caaccccccg	600
gccgcgcgga	atggtatggc	ccggccggag	ttaaggcccg	ggggaggcgg	cgagtcccgc	660
ggcggcgcgg	acgatggggc	tgcgtgcagg	aggaacgctg	ggcagggccg	gcgcgggtcg	720
gggggcgccc	gaggggcccc	ggccgagcgg	cggcgcgcag	ggcggcagca	tccactcggg	780
cgcctcgcgc	gcgggtgcaca	acgtgcccgt	gagcgtgctc	atccggccgc	tgcctccgt	840
gttgaccgcc	gccaaaggtg	agagcctcgt	ggacatgcac	cgggaggacc	cagacagcgt	900
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<211> 822

<213> Homo sapiens

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accgttcata	tcgggcctac	cgccttctct	ggcttgggtg	ttgtcgacaa	caacggcaac	180
ggcgcacgag	tccaacgcgt	ggtcgggagc	gctccggcgg	caagtctcgg	catctccacc	240
ggcgacgtga	tcaccgcggt	cgaaggcgct	ccgatcaact	cggccaccgc	gatggcggac	300
gcgcttaacg	ggcatcatcc	cggtgacgtc	atctcggtga	cctggcaaac	caagtogggc	360
ggcacgcgta	cagggaaact	gacattggcc	gagggacccc	cggccgaatt	cgggctgcgt	420
gcaggaggaa	cgctgggcag	ggcgggcgcg	ggtcgggggg	cgcccgaggg	gcccggggcg	480
agcggcggcg	cgcagggcgg	cagcatccac	tcgggccgca	tgcgcgcggt	gcacaacgtg	540
ccgctgagcg	tgtcatccg	gcgcgtgccg	tccgtgttgg	accccgccaa	ggtgcagagc	600
ctcgtggaca	cgatccggga	ggaccagac	agcgtgcccc	ccatcgatgt	cctctggatc	660
aaagggggcc	agggagggtga	ctactttctac	tcttttgggg	tctgccaccg	ctacgcggcc	720
taccagcaac	tgcagcgaga	gacctacccc	gccaaagtgt	tccagtcac	tctctcagac	780
ctaaggggtgt	acctgggagc	atccacacca	gacttgcaqt	ag		822

<210> 1863

<211> 314
 <212> PRT
 <213> Homo sapiens

<400> 1863

Met	His	His	His	His	His	His	Thr	Ala	Ala	Ser	Asp	Asn	Phe	Gln	Leu
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Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala
			20					25					30		
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala
			35				40					45			
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val
	50					55					60				
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr
	65				70					75					80
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr
				85					90					95	
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser
			100					105					110		
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr
		115					120					125			
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Thr	Arg	Pro	Arg	Arg	Ala	Ala
		130				135					140				
Gln	Gly	Arg	Arg	Glu	Ala	Pro	Pro	Gly	Gly	Glu	Pro	Glu	Pro	Arg	Ala
	145				150					155					160
Ser	Leu	Ala	Ala	Pro	Gly	Glu	Arg	Ser	Arg	Ser	Arg	Ala	Gly	Asp	Arg
				165					170					175	
Gly	Val	Glu	Ala	Gly	Pro	Arg	Arg	Gly	Arg	Gly	Arg	Asn	Ala	Arg	Cys
			180					185					190		
Pro	Gly	Thr	Gly	Pro	Asn	Pro	Pro	Ala	Ala	Arg	Asn	Gly	Met	Ala	Arg
		195					200					205			
Pro	Glu	Leu	Arg	Pro	Gly	Gly	Gly	Gly	Glu	Ser	Arg	Gly	Gly	Gly	Asp
	210					215					220				
Asp	Gly	Ala	Ala	Cys	Arg	Arg	Asn	Ala	Gly	Gln	Gly	Arg	Arg	Gly	Ser
	225				230					235					240
Gly	Gly	Ala	Arg	Gly	Ala	Arg	Ala	Glu	Arg	Arg	Arg	Ala	Gly	Arg	Gln
				245				250						255	
His	Pro	Leu	Gly	Pro	His	Arg	Arg	Gly	Ala	Gln	Arg	Ala	Ala	Glu	Arg

TOPBLAST 92.64.66.0

260 265 270
 Ala His Pro Ala Ala Ala Val Arg Val Gly Pro Arg Gln Gly Ala Glu
 275 280 285
 Pro Arg Gly His Asp Pro Gly Gly Pro Arg Gln Arg Ala Pro His Arg
 290 295 300
 Cys Pro Leu Asp Gln Arg Gly Pro Gly Arg
 305 310

 <210> 1864
 <211> 273
 <212> PRT
 <213> Homo sapiens

 <400> 1864
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 5 10 15
 Ser Gln Gly Gly Gln Gly Phe Ala Ile Pro Ile Gly Gln Ala Met Ala
 20 25 30
 Ile Ala Gly Gln Ile Lys Leu Pro Thr Val His Ile Gly Pro Thr Ala
 35 40 45
 Phe Leu Gly Leu Gly Val Val Asp Asn Asn Gly Asn Gly Ala Arg Val
 50 55 60
 Gln Arg Val Val Gly Ser Ala Pro Ala Ala Ser Leu Gly Ile Ser Thr
 65 70 75 80
 Gly Asp Val Ile Thr Ala Val Asp Gly Ala Pro Ile Asn Ser Ala Thr
 85 90 95
 Ala Met Ala Asp Ala Leu Asn Gly His His Pro Gly Asp Val Ile Ser
 100 105 110
 Val Thr Trp Gln Thr Lys Ser Gly Gly Thr Arg Thr Gly Asn Val Thr
 115 120 125
 Leu Ala Glu Gly Pro Pro Ala Glu Phe Gly Leu Arg Ala Gly Gly Thr
 130 135 140
 Leu Gly Arg Ala Gly Ala Gly Arg Gly Ala Pro Glu Gly Pro Gly Pro
 145 150 155 160
 Ser Gly Gly Ala Gln Gly Gly Ser Ile His Ser Gly Arg Ile Ala Ala
 165 170 175
 Val His Asn Val Pro Leu Ser Val Leu Ile Arg Pro Leu Pro Ser Val
 180 185 190

agctgctgga cgagcatgac gcggtgagcg ccgccttcca ggagggcgtc ctgtcgccca 600
ccatctcccc caactactcc aacgacttga actccatggc cggctcgccg gtctcatcct 660
actcgtcgga cgagggctct tacgaccgcg tcagccccga ggagcaggag cttctcgact 720
tcaccaactg gttctgaggg gctcggcctg gtcaggccct ggtgcgaatg gactttggaa 780
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<210> 1867

<211> 789

<212> DNA

<213> Homo sapiens

<400> 1867

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cgccggccag cagccccagc cgcagcccca gcagcccttc ctgccgcccg cagcctgttt 120
ctttgccacg gccgcagccg cggcgcccg cagcccgcca gcggcagcgc agagcgcgca 180
gcagcagcag cagcagcagc agcagcagca gcagcaggcg ccgcagctga gaccggcggc 240
cgacggccag ccctcagggg gcggtcacaa gtcagcgccc aagcaagtca agcgacagcg 300
ctcgtcttcg cccgaactga tgcgtgcaa acgcccgtc aacttcagcg gctttggcta 360
cagcctgccg cagcagcagc cggccgcgtt ggccgcggcg aacgagcgcg agcgcaaccg 420
cgtcaagttg gtcaacctgg gctttgccac ctttcgggag cactccccca acggcgcgcg 480
caacaagaag atgagtaagg tggagacact gcgctcggcg gtcgagtaca tccgcgcgct 540
gcagcagctg ctggacgagc atgacgcggt gagcgccgcc ttccaggcag gcgtcctgtc 600
gccaccatc tcccccaact actccaacga cttgaactcc atggccggct cgcgggtctc 660
atcctactcg tcggacgagg gctcttacga cccgctcagc cccgaggagc aggagcttct 720
cgacttcacc aactggttct gaggggctcg gcctggtcag gccctggtgc gaatggactt 780
tggaagcag 789

<210> 1868

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1868

tctgattccg cgactccttg gccgcgctg cgcattggaaa gctctgccaa gatggagagc 60
ggcgggcgccg gccagcagcc ccagccgcag ccccagcagc ccttctctgc gcccgagcc 120
tgtttctttg ccacggccgc agccgcggcg gccgcagccg ccgcagcggc agcgagagc 180
gcgcagcagc agcagcagca gcagcagcag caggcgccgc agctgagacc ggcgcccgac 240
ggccagccct cagggggcgg tcacaagtca gcgcccagc aagtcaagcg acagcgtctg 300
tcttcgcccg aactgatgcg ctgcaaaccg cggctcaact tcagcggctt tggctacagc 360
ctgccgcagc agcagccggc cgccgtggcg cgcgcgaacg agcgcgagcg caaccgcgtc 420
aagttggtca acctgggctt tgccaccctt cgggagcagc tccccaacg cgcgccaac 480
aagaagatga gtaaggtgga gacactgcgc tcggcggtcg agtacatccg cgcgctgcag 540
cagctgctgg acgagcatga cgcggtgagc gccgccttcc aggcaggcgt cctgtcgccc 600
accatctccc ccaactactc caacgacttg aactccatgg ccggctcgcc ggtctcatcc 660
tactcgtcgg acgagggctc ttacgaccog ctcagcccog aggagcagga gcttctcgac 720
ttaccaact ggttctgagg ggctcggcct ggtcaggccc tgggtcgaat ggactttgga 780
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<210> 1869

<211> 236

<212> PRT

<213> Homo sapiens

<400> 1869

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Gln	Pro	Gln	Pro	Gln	Gln	Pro	Phe	Leu	Pro	Pro	Ala	Ala	Cys	Phe	Phe
			20					25					30		
Ala	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gln
		35					40					45			
Ser	Ala	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Ala	Pro
	50					55					60				
Gln	Leu	Arg	Pro	Ala	Ala	Asp	Gly	Gln	Pro	Ser	Gly	Gly	Gly	His	Lys
65				70						75					80
Ser	Ala	Pro	Lys	Gln	Val	Lys	Arg	Gln	Arg	Ser	Ser	Ser	Pro	Glu	Leu
			85						90					95	
Met	Arg	Cys	Lys	Arg	Arg	Leu	Asn	Phe	Ser	Gly	Phe	Gly	Tyr	Ser	Leu
		100						105					110		
Pro	Gln	Gln	Gln	Pro	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg
		115					120					125			
Asn	Arg	Val	Lys	Leu	Val	Asn	Leu	Gly	Phe	Ala	Thr	Leu	Arg	Glu	His
130						135					140				
Val	Pro	Asn	Gly	Ala	Ala	Asn	Lys	Lys	Met	Ser	Lys	Val	Glu	Thr	Leu
145				150					155						160
Arg	Ser	Ala	Val	Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Asp	Glu
			165					170						175	
His	Asp	Ala	Val	Ser	Ala	Ala	Phe	Gln	Ala	Gly	Val	Leu	Ser	Pro	Thr
		180					185					190			
Ile	Ser	Pro	Asn	Tyr	Ser	Asn	Asp	Leu	Asn	Ser	Met	Ala	Gly	Ser	Pro
		195				200						205			
Val	Ser	Ser	Tyr	Ser	Ser	Asp	Glu	Gly	Ser	Tyr	Asp	Pro	Leu	Ser	Pro
	210					215					220				
Glu	Glu	Gln	Glu	Leu	Leu	Asp	Phe	Thr	Asn	Trp	Phe				
225				230						235					

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<210> 1870
<211> 236
<212> PRT
<213> Homo sapiens
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<400> 1870																
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Gln	Pro	Gln	Pro	Gln	Gln	Pro	Phe	Leu	Pro	Pro	Ala	Ala	Cys	Phe	Phe	
			20					25					30			
Ala	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gln	
		35					40					45				
Ser	Ala	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Ala	Pro
	50					55					60					
Gln	Leu	Arg	Pro	Ala	Ala	Asp	Gly	Gln	Pro	Ser	Gly	Gly	Gly	Gly	His	Lys
	65				70					75						80
Ser	Ala	Pro	Lys	Gln	Val	Lys	Arg	Gln	Arg	Ser	Ser	Ser	Pro	Glu	Leu	
			85						90					95		
Met	Arg	Cys	Lys	Arg	Arg	Leu	Asn	Phe	Ser	Gly	Phe	Gly	Tyr	Ser	Leu	
			100					105					110			
Pro	Gln	Gln	Gln	Pro	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	Arg	
		115					120					125				

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<210> 1871
<211> 237
<212> PRT
<213> Homo sapiens
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<400>	1871															
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				5					10					15		
Gln	Pro	Gln	Pro	Gln	Gln	Pro	Phe	Leu	Pro	Pro	Ala	Ala	Cys	Phe	Phe	
			20					25					30			
Ala	Thr	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Ala	Gln	
		35					40					45				
Ser	Ala	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Gln	Ala
	50					55					60					
Pro	Gln	Leu	Arg	Pro	Ala	Ala	Asp	Gly	Gln	Pro	Ser	Gly	Gly	Gly	Gly	His
65					70					75						80
Lys	Ser	Ala	Pro	Lys	Gln	Val	Lys	Arg	Gln	Arg	Ser	Ser	Ser	Pro	Glu	
				85					90					95		
Leu	Met	Arg	Cys	Lys	Arg	Arg	Leu	Asn	Phe	Ser	Gly	Phe	Gly	Tyr	Ser	
			100					105					110			
Leu	Pro	Gln	Gln	Gln	Pro	Ala	Ala	Val	Ala	Arg	Arg	Asn	Glu	Arg	Glu	
		115				120						125				
Arg	Asn	Arg	Val	Lys	Leu	Val	Asn	Leu	Gly	Phe	Ala	Thr	Leu	Arg	Glu	
	130				135						140					
His	Val	Pro	Asn	Gly	Ala	Ala	Asn	Lys	Lys	Met	Ser	Lys	Val	Glu	Thr	
145					150				155						160	
Leu	Arg	Ser	Ala	Val	Glu	Tyr	Ile	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Asp	
			165						170					175		
Glu	His	Asp	Ala	Val	Ser	Ala	Ala	Phe	Gln	Ala	Gly	Val	Leu	Ser	Pro	
			180					185					190			
Thr	Ile	Ser	Pro	Asn	Tyr	Ser	Asn	Asp	Leu	Asn	Ser	Met	Ala	Gly	Ser	
	195					200					205					
Pro	Val	Ser	Ser	Tyr	Ser	Ser	Asp	Glu	Gly	Ser	Tyr	Asp	Pro	Leu	Ser	
	210					215					220					
Pro	Glu	Glu	Gln	Glu	Leu	Leu	Asp	Phe	Thr	Asn	Trp	Phe				
225					230					235						

<210> 1872
 <211> 234
 <212> PRT
 <213> Homo sapiens

<400> 1872
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 Gln Pro Gln Pro Gln Gln Pro Phe Leu Pro Pro Ala Ala Cys Phe Phe
 20 25 30
 Ala Thr Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gln
 35 40 45
 Ser Ala Gln Gln Gln Gln Gln Gln Gln Gln Gln Ala Pro Gln Leu
 50 55 60
 Arg Pro Ala Ala Asp Gly Gln Pro Ser Gly Gly Gly His Lys Ser Ala
 65 70 75 80
 Pro Lys Gln Val Lys Arg Gln Arg Ser Ser Ser Pro Glu Leu Met Arg
 85 90 95
 Cys Lys Arg Arg Leu Asn Phe Ser Gly Phe Gly Tyr Ser Leu Pro Gln
 100 105 110
 Gln Gln Pro Ala Ala Val Ala Arg Arg Asn Glu Arg Glu Arg Asn Arg
 115 120 125
 Val Lys Leu Val Asn Leu Gly Phe Ala Thr Leu Arg Glu His Val Pro
 130 135 140
 Asn Gly Ala Ala Asn Lys Lys Met Ser Lys Val Glu Thr Leu Arg Ser
 145 150 155 160
 Ala Val Glu Tyr Ile Arg Ala Leu Gln Gln Leu Leu Asp Glu His Asp
 165 170 175
 Ala Val Ser Ala Ala Phe Gln Ala Gly Val Leu Ser Pro Thr Ile Ser
 180 185 190
 Pro Asn Tyr Ser Asn Asp Leu Asn Ser Met Ala Gly Ser Pro Val Ser
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<210> 1873
 <211> 1353
 <212> DNA
 <213> Homo sapiens

<400> 1873
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<211> 1155
<212> DNA
<213> Homo sapiens
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<210> 1876
<211> 384
<212> PRT
<213> Homo sapiens
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```
<210> 1877
<211> 861
<212> DNA
<213> Homo sapiens
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<210> 1878
<211> 286
<212> PRT
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<213> Homo sapiens

<400> 1878

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		20						25					30		
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Met	Thr	Ser	Ala	Val	Pro	Val	Ala	Asn
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Ser	Val	Leu	Val	Val	Ala	Pro	His	Asn	Gly	Tyr	Pro	Val	Thr	Pro	Gly
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	65				70					75					80
Leu	Val	Pro	Gly	Asn	Pro	Pro	Ser	Leu	Val	Ser	Asn	Val	Asn	Gly	Gln
				85					90					95	
Pro	Val	Gln	Lys	Ala	Leu	Lys	Glu	Gly	Lys	Thr	Leu	Gly	Ala	Ile	Gln
			100					105					110		
Ile	Ile	Ile	Gly	Leu	Ala	His	Ile	Gly	Leu	Gly	Ser	Ile	Met	Ala	Thr
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Val	Leu	Val	Gly	Glu	Tyr	Leu	Ser	Ile	Ser	Phe	Tyr	Gly	Gly	Phe	Pro
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Phe	Trp	Gly	Gly	Leu	Trp	Phe	Ile	Ile	Ser	Glu	Ser	Leu	Ser	Val	Ala
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Tyr	Pro	Asn	Ile	Tyr	Ala	Ala	Asn	Pro	Val	Ile	Thr	Pro	Glu	Pro	Val
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<210> 1879

<211> 186

<212> DNA

<213> Homo sapiens

<400> 1879

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<210> 1880

<211> 62


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<210> 1884

<211> 91

<212> PRT

<213> Homo sapiens

<400> 1884
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 35 40 45
 Phe Val Ser Thr Gly Ser Thr Glu Leu Ala Ser Asn His Asp Leu Val
 50 55 60
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<210> 1885
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1885
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 35 40 45
 Met Lys Val Ser Asp Ala Asn Thr
 50 55

<210> 1886
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1886
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 5 10 15
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 20 25 30
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 35 40 45
 Thr His Leu Trp Thr Arg Cys Pro
 50 55

<210> 1887
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1887
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1884-1887

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 35 40 45
 Ala Cys Gly Phe Leu Pro Gly Ile Pro Arg Asn Ala Val Thr Pro Ala
 50 55 60
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<210> 1888
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 1888
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 20 25 30
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 35 40 45
 Glu Lys Cys Tyr Phe Cys Leu Ile Lys Leu His Ala Pro Ser His Ser
 50 55 60
 Leu Ala Gln Pro Pro Pro Val Gly Ser Ala Ser Asp Cys Arg Pro His
 65 70 75 80
 Pro Gly Pro Pro Ile Gly Ser Ala Arg Pro Ala Leu Pro Thr Pro Ala
 85 90 95
 Phe Pro Pro Leu Asn Ser Lys Ser Ile Ser Leu His Gln Ile Ile Glu
 100 105 110
 Ala Gln Ser Pro Ala Arg Leu Glu Leu Leu Thr Thr Cys Trp Val Cys
 115 120 125
 Val Ser Ser Ser Pro Arg Gly Glu Pro Trp Glu Gly His Ser Leu Phe
 130 135 140
 Ser Gly Pro Pro Arg Ala Leu Arg His Leu Lys Pro Pro Ser Gln Pro
 145 150 155 160
 Arg Pro Val Gln Ser Gln Ser Lys Glu Pro Val Phe Arg Ser Leu Ser
 165 170 175
 Thr Gly Leu Glu Gly Arg Pro Cys Val Gly Lys Arg Cys His Pro Arg
 180 185 190
 Leu Arg Ser
 195

<210> 1889
 <211> 90
 <212> PRT
 <213> Homo sapiens


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<210> 1892
<211> 599
<212> DNA
<213> Homo sapiens

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<210> 1893
<211> 8372
<212> DNA
<213> Homo sapiens

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gcctacagca gaaagcctga acgagctcgg tcgtaggcgg gaagttccc ggggctgcc 660
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 tcccttgctt ccccttttgc caatctcaac acccaagttg aagactttgt ttttaaaatg 2040
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<210> 1899

<211> 987

<212> DNA

<213> Homo sapiens

<400> 1899

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 ggtgcgggcg ctgctggagg cggggggcgt gcccaacgca ccgaatagtt acggtcggag 180
 gccgatccag gtcattgatga tgggcagcgc ccgagtgagg gagctgctgc tgcctccacg 240
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 ggagggcttc ctggacacgc tgggtggtgct gcaccggggc ggggcgcggc tggacgtgcg 360
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 cgcggaaggt ccctcagaca tccccgattg aaagaaccag agaggctctg agaaacctcg 540
 ggaaacttag atcatcagtc accgaaggtc ctacagggcc acaactgccc ccgccacaac 600
 ccaccccgct ttcgtagttt tcatttagaa aatagagctt ttaaaaatgt cctgcctttt 660
 aacgtagata taagccttcc cccactaccg taaatgtcca tttatatcat tttttatata 720
 ttcttataaa aatgtaaaaa agaaaaacac cgcttctgcc ttttactgt gttggagtgt 780
 tctggagtga gcactcacgc cctaagcgca cattcatgtg ggcatttctt gcgagcctcg 840
 cagcctccgg aagctgtcga cttcatgaca agcattttgt gaactaggga agctcagggg 900
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 aataaaataa ttttcattca ttcactc 987

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<211> 2545

<212> DNA

<213> Homo sapiens

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 aagggtcgtt gttcctgcat cagcaccaac caagggacta tccacctaca atccttgaaa 180
 gaccttaaac aatttgcccc aagcccttcc tgcgagaaaa ttgaaatcat tgctacactg 240
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 aagaaagtgc tgaaagtctg aaaatctcaa cgcttctctc aaaagaagac tacataagag 420
 accacttcac caataagtat tctgtgttaa aaatgttcta ttttaattat accgctatca 480
 ttccaaagga ggatggcata taatacaaaag gcttattaat ttgactagaa aattttaaaac 540
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 ttgttaaagg ctatgattgt ctttgttctt ctaccaccca ccagttgaat ttcattcatgc 660
 ttaaggccat gatttttagca atacctatgt ctacacagat gttcacccaa ccacatccca 720
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 tgaaattgag ctggacctca ccaagctgct gtggccatca acctctgtat ttgaatcagc 900
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<212> PRT
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Pro Glu Phe Pro Leu Ser Pro Pro Lys Lys Lys Asp Leu Ser Leu Glu
      35              40              45
Glu Ile Gln Lys Lys Leu Glu Ala Ala Glu Glu Arg Arg Lys Ser His
      50              55              60
Glu Ala Glu Val Leu Lys Gln Leu Ala Glu Lys Arg Glu His Glu Lys
      65              70              75              80
Glu Val Leu Gln Lys Ala Ile Glu Glu Asn Asn Asn Phe Ser Lys Met
      85              90              95
Ala Glu Glu Lys Leu Thr His Lys Met Glu Ala Asn Lys Glu Asn Arg
      100              105              110
Glu Ala Gln Met Ala Ala Lys Leu Glu Arg Leu Arg Glu Lys Asp Lys
      115              120              125
His Ile Glu Glu Val Arg Lys Asn Lys Glu Ser Lys Asp Pro Ala Asp
      130              135              140
Glu Thr Glu Ala Asp

```


a) <i>Staphylococcus aureus</i>	
Antibiotic	Conc. (μg/ml)
Penicillin G	100
Penicillin V	100
Penicillin K	100
Penicillin M	100
Penicillin N	100
Penicillin O	100
Penicillin P	100
Penicillin Q	100
Penicillin R	100
Penicillin S	100
Penicillin T	100
Penicillin U	100
Penicillin V	100
Penicillin W	100
Penicillin X	100
Penicillin Y	100
Penicillin Z	100
Penicillin AA	100
Penicillin AB	100
Penicillin AC	100
Penicillin AD	100
Penicillin AE	100
Penicillin AF	100
Penicillin AG	100
Penicillin AH	100
Penicillin AI	100
Penicillin AJ	100
Penicillin AK	100
Penicillin AL	100
Penicillin AM	100
Penicillin AN	100
Penicillin AO	100
Penicillin AP	100
Penicillin AQ	100
Penicillin AR	100
Penicillin AS	100
Penicillin AT	100
Penicillin AU	100
Penicillin AV	100
Penicillin AW	100
Penicillin AX	100
Penicillin AY	100
Penicillin AZ	100
Penicillin BA	100
Penicillin BB	100
Penicillin BC	100
Penicillin BD	100
Penicillin BE	100
Penicillin BF	100
Penicillin BG	100
Penicillin BH	100
Penicillin BI	100
Penicillin BJ	100
Penicillin BK	100
Penicillin BL	100
Penicillin BM	100
Penicillin BN	100
Penicillin BO	100
Penicillin BP	100
Penicillin BQ	100
Penicillin BR	100
Penicillin BS	100
Penicillin BT	100
Penicillin BU	100
Penicillin BV	100
Penicillin BW	100
Penicillin BX	100
Penicillin BY	100
Penicillin BZ	100
Penicillin CA	100
Penicillin CB	100
Penicillin CC	100
Penicillin CD	100
Penicillin CE	100
Penicillin CF	100
Penicillin CG	100
Penicillin CH	100
Penicillin CI	100
Penicillin CJ	100
Penicillin CK	100
Penicillin CL	100
Penicillin CM	100
Penicillin CN	100
Penicillin CO	100
Penicillin CP	100
Penicillin CQ	100
Penicillin CR	100
Penicillin CS	100
Penicillin CT	100
Penicillin CU	100
Penicillin CV	100
Penicillin CW	100
Penicillin CX	100
Penicillin CY	100
Penicillin CZ	100
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Penicillin DD	100
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Penicillin DF	100
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Penicillin DJ	100
Penicillin DK	100
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Penicillin DN	100
Penicillin DO	100
Penicillin DP	100
Penicillin DQ	100
Penicillin DR	100
Penicillin DS	100
Penicillin DT	100
Penicillin DU	100
Penicillin DV	100
Penicillin DW	100
Penicillin DX	100
Penicillin DY	100
Penicillin DZ	100
Penicillin EA	100
Penicillin EB	100
Penicillin EC	100
Penicillin ED	100
Penicillin EE	100
Penicillin EF	100
Penicillin EG	100
Penicillin EH	100
Penicillin EI	100
Penicillin EJ	100
Penicillin EK	100
Penicillin EL	100
Penicillin EM	100
Penicillin EN	100
Penicillin EO	100
Penicillin EP	100
Penicillin EQ	100
Penicillin ER	100
Penicillin ES	100
Penicillin ET	100
Penicillin EU	100
Penicillin EV	100
Penicillin EW	100
Penicillin EX	100
Penicillin EY	100
Penicillin EZ	100
Penicillin FA	100
Penicillin FB	100
Penicillin FC	100
Penicillin FD	100
Penicillin FE	100
Penicillin FF	100
Penicillin FG	100
Penicillin FH	

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Lys	Ile	Gln	Ala	Cys	Ser	Leu	Ser	Asp	Gly	Phe	Ile	Ile	Val	Ala	Asp	
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Gln	Ser	Val	Ile	Leu	Leu	Asp	Ser	Ile	Cys	Arg	Ser	Leu	Gln	Leu	His	
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Leu	Val	Phe	Asp	Thr	Glu	Val	Asp	Val	Val	Gly	Leu	Cys	Gln	Glu	Gly	
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Lys	Phe	Leu	Leu	Val	Gly	Glu	Arg	Ser	Gly	Asn	Leu	His	Leu	Ile	His	
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Val	Thr	Ser	Lys	Gln	Thr	Leu	Leu	Thr	Asn	Ala	Phe	Val	Gln	Lys	Ala	
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Asn	Asp	Glu	Asn	Arg	Arg	Thr	Tyr	Gln	Asn	Leu	Val	Ile	Glu	Lys	Asp	
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Gly	Ser	Asn	Glu	Gly	Thr	Tyr	Tyr	Met	Leu	Leu	Leu	Thr	Tyr	Ser	Gly	
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Phe	Phe	Cys	Ile	Thr	Asn	Leu	Gln	Leu	Leu	Lys	Ile	Gln	Gln	Ala	Ile	
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Glu	Asn	Val	Asp	Phe	Ser	Thr	Ala	Lys	Lys	Leu	Gln	Gly	Gln	Ile	Lys	
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Ser	Ser	Phe	Ile	Ser	Thr	Glu	Asn	Tyr	His	Thr	Leu	Gly	Cys	Leu	Ser	
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Leu	Val	Ala	Gly	Asp	Leu	Ala	Ser	Glu	Val	Pro	Val	Ile	Ile	Gly	Gly	
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Thr	Gly	Asn	Cys	Ala	Phe	Ser	Lys	Trp	Glu	Pro	Asp	Ser	Ser	Lys	Lys	
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Gly	Met	Thr	Val	Lys	Asn	Leu	Ile	Asp	Ala	Glu	Ile	Ile	Lys	Gly	Ala	
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Lys	Lys	Phe	Gln	Leu	Ile	Asp	Asn	Leu	Leu	Phe	Val	Leu	Asp	Thr	Asp	
			260					265					270			
Asn	Val	Leu	Ser	Leu	Trp	Asp	Ile	Tyr	Thr	Leu	Thr	Pro	Val	Trp	Asn	
		275					280					285				
Trp	Pro	Ser	Leu	His	Val	Glu	Glu	Phe	Leu	Leu	Thr	Thr	Glu	Ala	Asp	
	290					295					300					
Ser	Pro	Ser	Ser	Val	Thr	Trp	Gln	Gly	Ile	Thr	Asn	Leu	Lys	Leu	Ile	
305				310						315					320	
Ala	Leu	Thr	Ala	Ser	Ala	Asn	Lys	Lys	Met	Lys	Asn	Leu	Met	Val	Tyr	
				325					330					335		
Ser	Leu	Pro	Thr	Met	Glu	Ile	Leu	Tyr	Ser	Leu	Glu	Val	Ser	Ser	Val	
			340					345								

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 885 890 895
 Leu Arg Ile Ile Asp Leu Ile Asp Arg Glu Gln Gly Glu Asp Cys Leu
 900 905 910
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 915 920 925
 Arg Val Ile Ile Trp Ala Arg Leu Ala Leu Gln Glu Glu Pro Asp His
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 Ser Lys Glu Gly Lys Ala Trp Arg Met Ser Val Ala Lys Thr Ser Val
 945 950 955 960
 Asp Ile Leu Lys Ile Leu Cys Asp Ile Gln Lys Asp Asn Leu Gln Lys
 965 970 975
 Lys Asp Glu Cys Glu Glu Met Leu Lys Leu Phe Lys Glu Val Ala Ser
 980 985 990
 Leu Gln Glu Asn Phe Glu Val Phe Leu Ser Phe Glu Asp Tyr Ser Asn
 995 1000 1005
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 Asp Leu Phe Lys Tyr His Cys Asn Ala Asp Thr Gly Lys Leu Leu Phe
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 Thr Val Pro Val Gly Leu Asn Leu Pro Ser Met Ile His Asp Leu Ala
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 1155 1160 1165
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 Lys Asp Pro Tyr Glu Glu Trp Ser Tyr Ser Asp Phe Phe Ser Glu Asp
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 Gly Ile Val Leu Glu Ser Gln Met Val Leu Pro Val Ile Tyr Glu Leu
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 1235 1240 1245
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 1250 1255 1260
 Ser Ser Gln Trp Glu Leu Ala Leu Arg Phe Val Val Gly Ser Phe Gly
 1265 1270 1275 1280
 Thr Cys Leu Gln His Ser Val Ser Asn Phe Met Asn Ala Thr Leu Ser
 1285 1290 1295
 Glu Lys Leu Phe Gly Glu Thr Thr Leu Val Lys Ser Arg His Val Val

1730 1735 1740
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 1745 1750 1755 1760
 Glu Tyr Leu Arg Val Ile Gly Lys Pro Ala His Leu Ile Val Ser Leu
 1765 1770 1775
 Tyr Glu His Pro Ser Ile Asn Gln Arg Ile Gln Asn Ser Ser Gly Thr
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 Asp Tyr Pro Asp Ile His Ala Ala Ala Lys Glu Ile Ala Glu Val Asn
 1795 1800 1805
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 Cys Pro Ser Thr Lys Pro Gly Glu Lys Pro Ser Glu Leu Phe Glu Leu
 1825 1830 1835 1840
 Gln Glu Asp Glu Ala Leu Arg Arg Val Gln Tyr Leu Leu Leu Ser Arg
 1845 1850 1855
 Pro Ile Asp Tyr Ser Ser Arg Met Leu Phe Val Phe Ala Thr Ser Thr
 1860 1865 1870
 Thr Thr Thr Leu Gly Met His Gln Leu Thr Phe Ala His Arg Thr Arg
 1875 1880 1885
 Ala Leu Gln Cys Leu Phe Tyr Leu Ala Asp Lys Glu Thr Ile Glu Ser
 1890 1895 1900
 Leu Phe Lys Lys Pro Ile Glu Glu Val Lys Ser Tyr Leu Arg Cys Ile
 1905 1910 1915 1920
 Thr Phe Leu Ala Ser Phe Glu Thr Leu Asn Ile Pro Ile Thr Tyr Glu
 1925 1930 1935
 Leu Phe Cys Ser Ser Pro Lys Glu Gly Met Ile Lys Gly Leu Trp Lys
 1940 1945 1950
 Asn His Ser His Glu Ser Met Ala Val Arg Leu Val Thr Glu Leu Cys
 1955 1960 1965
 Leu Glu Tyr Lys Ile Tyr Asp Leu Gln Leu Trp Asn Gly Leu Leu Gln
 1970 1975 1980
 Lys Leu Leu Gly Phe Asn Met Ile Pro Tyr Leu Arg Lys Val Leu Lys
 1985 1990 1995 2000
 Ala Ile Ser Ser Ile His Ser Leu Trp Gln Val Pro Tyr Phe Ser Lys
 2005 2010 2015
 Ala Trp Gln Arg Val Ile Gln Ile Pro Leu Leu Ser Ala Ser Cys Pro
 2020 2025 2030
 Leu Ser Pro Asp Gln Leu Ser Asp Cys Ser Glu Ser Leu Ile Ala Val
 2035 2040 2045
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 2050 2055 2060
 Gln Tyr Ile Gln Leu Glu Leu Pro Ala Phe Ala Leu Ala Cys Leu Met
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Arg	Val	Val	Ala	Lys	Asp	Gly	Leu	Lys	Leu	Gly	Ser	Gly	Pro	Ser	Ile	
			20					25					30			
Lys	Ala	Leu	Asp	Gly	Arg	Ser	Gln	Val	Ser	Thr	Pro	Arg	Phe	Gly	Lys	
		35					40					45				

Thr Phe Asp Ala Pro Pro Ala Leu Pro Lys Ala Thr Arg Lys Ala Leu
 50 55 60
 Gly Thr Val Asn Arg Ala Thr Glu Lys Ser Val Lys Thr Lys Gly Pro
 65 70 75 80
 Leu Lys Gln Lys Gln Pro Ser Phe Ser Ala Lys Lys Met Thr Glu Lys
 85 90 95
 Thr Val Lys Ala Lys Ser Ser Val Pro Ala Ser Asp Asp Ala Tyr Pro
 100 105 110
 Glu Ile Glu Lys Phe Phe Pro Phe Asn Pro Leu Asp Phe Glu Ser Phe
 115 120 125
 Asp Leu Pro Glu Glu His Gln Ile Ala His Leu Pro Leu Ser Gly Val
 130 135 140
 Pro Leu Met Ile Leu Asp Glu Glu Arg Glu Leu Glu Lys Leu Phe Gln
 145 150 155 160
 Leu Gly Pro Pro Ser Pro Val Lys Met Pro Ser Pro Pro Trp Glu Ser
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 Asn Leu Leu Gln Ser Pro Ser Ser Ile Leu Ser Thr Leu Asp Val Glu
 180 185 190
 Leu Pro Pro Val Cys Cys Asp Ile Asp Ile
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<210> 1906
 <211> 464
 <212> PRT
 <213> Homo sapiens

<400> 1906
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 Lys Ser Asp Phe Leu Pro Asn Pro Lys Pro Glu Val Leu Tyr Met Ile
 35 40 45
 Tyr Met Arg Ala Leu Gln Leu Val Tyr Gly Val Arg Leu Glu His Phe
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 Tyr Met Met Pro Val Asn Ile Glu Val Met Tyr Pro His Ile Met Glu
 65 70 75 80
 Gly Phe Leu Pro Val Ser Asn Leu Phe Phe His Leu Asp Ser Phe Met
 85 90 95
 Pro Ile Cys Arg Val Asn Asp Phe Glu Ile Ala Asp Ile Leu Tyr Pro
 100 105 110
 Lys Ala Asn Arg Thr Ser Arg Phe Leu Ser Gly Ile Ile Asn Phe Ile
 115 120 125
 His Phe Arg Glu Thr Cys Leu Glu Lys Tyr Glu Glu Phe Leu Leu Gln
 130 135 140
 Asn Lys Ser Ser Val Asp Lys Ile Gln Gln Leu Ser Asn Ala His Gln
 145 150 155 160
 Glu Ala Leu Met Lys Leu Glu Lys Leu Asn Ser Val Pro Val Glu Glu
 165 170 175
 Gln Glu Glu Phe Lys Gln Leu Lys Asp Asp Ile Gln Glu Leu Gln His
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			20					25					30			
Cys	Ile	Ser	Thr	Asn	Gln	Gly	Thr	Ile	His	Leu	Gln	Ser	Leu	Lys	Asp	
		35					40					45				
Leu	Lys	Gln	Phe	Ala	Pro	Ser	Pro	Ser	Cys	Glu	Lys	Ile	Glu	Ile	Ile	
	50					55					60					
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<210> 1910
<211> 931
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(931)  
<223> n = A,T,C or G
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<400>	1910						
caacagtcag	aggtcgcgca	ggcgttggt	ccccgttggt	cgcgcggttg	ctgcgtttgtg	60	
aggggtgtca	gctcagtgca	tcccaggcag	ctcttagtgt	ggagcagtga	actgtgtgtg	120	
gttccttcta	cttggggatc	atgcagagag	cttcrcgtct	gaagagagag	ctgcacatgt	180	
tagccacaga	gccaccccca	ggcatcacat	gttggaaga	taaagaccaa	atggatgacc	240	
tgcgagctca	aatattaggt	ggagccaaca	caccttatga	gaaaggtgtt	tttaagctag	300	
aagttatcat	tcctgagagg	taccattttg	aacctcctca	gatccgattt	ctcactccaa	360	
tttatcatcc	aaacattgat	tctgctggaa	ggatttgtct	ggatgtttct	aaattgccac	420	
caaaaggtgc	ttggagacca	tcctcaaca	tcgcaactgt	gttgacctct	attcagctgc	480	
tcatgtcaga	acccaacctt	gatgaccgcg	tcatggtgta	catatcctca	gaatttaaat	540	
ataataagcc	agccttcttc	aagaatgcc	gacagtggac	agagaagcat	gcaagacaga	600	
aacaaaaggc	tgatgaggaa	gagatgcttg	ataatctacc	agaggctggg	gactccagag	660	
tacacaactc	aacacagaaa	aggaaggcca	gtcagctagt	aggcatagaa	aagaaatttc	720	
atcctgatgt	ttaggggact	tgtccttggt	catcttagtt	aatgtgttct	ttgccaaggt	780	
gatctaagtt	gcctaccctg	aatttttttt	taaatatatt	tgatgacata	attttttgtt	840	
agtttattta	tcttgatcat	atgtattttt	aaatctttta	aacctgaaaa	ataaatagtc	900	
atttaattgtt	gaaaaaaaaa	aaaaaaaaaa	a			931	

```
<210> 1911
<211> 27
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Primer

<400> 1911
gctaaagggtg accccaagaa accaaag

27

```
<210> 1912
<211> 37
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Primer

<400> 1912
ctattaactc gagggagaca gataaacagt ttcttta

37

<210> 1913
<211> 209
<212> PRT
<213> Homo sapiens

<400> 1913
Met Gln His His His His His Ala Lys Gly Asp Pro Lys Lys Pro
 5 10 15
Lys Gly Lys Met Ser Ala Tyr Ala Phe Phe Val Gln Thr Cys Arg Glu
 20 25 30
Glu His Lys Lys Lys Asn Pro Glu Val Pro Val Asn Phe Ala Glu Phe
 35 40 45
Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Gly Lys Glu Lys
 50 55 60
Ser Lys Phe Asp Glu Met Ala Lys Ala Asp Lys Val Arg Tyr Asp Arg
 65 70 75 80
Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys Lys Asp
 85 90 95
Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe Phe Leu Phe Cys Ser
 100 105 110
Glu Phe Arg Pro Lys Ile Lys Ser Thr Asn Pro Gly Ile Ser Ile Gly
 115 120 125
Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Leu Asn Asp Ser
 130 135 140
Glu Lys Gln Pro Tyr Ile Thr Lys Ala Ala Lys Leu Lys Glu Lys Tyr
 145 150 155 160
Glu Lys Asp Val Ala Asp Tyr Lys Ser Lys Gly Lys Phe Asp Gly Ala
 165 170 175
Lys Gly Pro Ala Lys Val Ala Arg Lys Lys Val Glu Glu Glu Asp Glu
 180 185 190
Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu
 195 200 205

<210> 1914
<211> 624
<212> DNA
<213> Homo sapiens

<400> 1914
atgcagcatc accaccatca ccacgctaaa ggtgacccca agaaaccaa gggcaagatg 60
tccgcttatg ccttctttgt gcagacatgc agagaagaac ataagaagaa aaaccagag 120
gtccctgtca attttgcgga attttccaag aagtgtctctg agaggtggaa gacgatgtcc 180
gggaaagaga aatctaaatt tgatgaaatg gcaaaggcag ataaagtgcg ctatgatcgg 240
gaaatgaagg attatggacc agctaaggga ggcaagaaga agaaggatcc taatgctccc 300
aaaaggccac cgtctggatt cttcctgttc tgttcagaat tccgccccaa gatcaaattcc 360
acaaaccccg gcattcttat tggagacgtg gcaaaaaagc tgggtgagat gtggaataat 420


```
<210> 1918
<211> 1209
<212> DNA
<213> Homo sapiens
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<400> 1918						
atgcagcatc	accaccatca	ccacgtgacg	atggaggagc	tgcgggagat	ggactgcagt	60
gtgctcaaaa	ggctgatgaa	ccgggacgag	aatggcggcg	gcgcgggcgg	cagcggcagc	120
cacggcaccc	tggggctgcc	gagcggcggc	aagtgcctgc	tgctggactg	cagaccgttc	180
ctggcgacaca	gcgcgggcta	catectaggt	tcggtcaacg	tgcgctgtaa	caccatcgtg	240
cggcgggcggg	ctaagggctc	cgtgagcctg	gagcagatcc	tgcccgccga	ggaggaggta	300
cgcgcccgcct	tgcgctccgg	cctctactcg	gcggtcatcg	tctacgacga	gcgcagcccg	360
cgcgcgcgaga	gcctccgcga	ggacagcacc	gtgtcgctgg	tgggtgcaggc	gctgcgcgcg	420
aacgcgcgagc	gcaccgacat	ctgcctgtct	aaaggcggct	atgagagggt	ttcctccgag	480
taccagaat	tctgttctaa	aaccaaggcc	ctggcagcca	tcccaccccc	ggttcccccc	540
agtgccacag	agcccttgga	cctgggctgc	agctcctgtg	ggacccact	acacgaccag	600
gggggtcctg	tggagatcct	tcccttctct	tacctcgcca	gtgcctacca	tgctgccccg	660
agagacatgc	tggagccct	gggcattcacg	gctctgttga	atgtctctct	ggactgccca	720
aaccactttg	aaggacacta	tcagtacaag	tgcattccag	tggaagataa	ccacaaggcc	780
gacatcagct	cctggttcat	ggaagccata	gagtacatcg	atgccgtgaa	ggactgccgt	840


```
<210> 1919
<211> 23
<212> DNA
<213> Artificial Sequence
```

<400> 1919
cggtgccacg cccatggacc ttc 23

<220>
<223> Primer

<400> 1920
ctgagaattc attaaacttg tggttgctct tcacc 35

```
<210> 1921
<211> 169
<212> PRT
<213> Homo sapiens
```

<400> 1921																
Met	Gln	His	His	His	His	His	His	His	Arg	Cys	His	Ala	His	Gly	Pro	Ser
				5						10					15	
Cys	Leu	Val	Thr	Ala	Ile	Thr	Arg	Glu	Glu	Gly	Gly	Pro	Arg	Ser	Gly	
			20					25					30			
Gly	Ala	Gln	Ala	Lys	Leu	Gly	Cys	Cys	Trp	Gly	Tyr	Pro	Ser	Pro	Arg	
		35					40					45				
Ser	Thr	Trp	Asn	Pro	Asp	Arg	Arg	Phe	Trp	Thr	Pro	Gln	Thr	Gly	Pro	
	50					55					60					
Gly	Glu	Gly	Arg	His	Glu	Arg	His	Thr	Gln	Thr	Gln	Asn	His	Thr	Ala	
	65				70					75					80	
Ser	Pro	Arg	Ser	Pro	Val	Met	Glu	Ser	Pro	Lys	Lys	Lys	Asn	Gln	Gln	
				85					90					95		
Leu	Lys	Val	Gly	Ile	Leu	His	Leu	Gly	Ser	Arg	Gln	Lys	Lys	Ile	Arg	
		100						105				110				
Ile	Gln	Leu	Arg	Ser	Gln	Cys	Ala	Thr	Trp	Lys	Val	Ile	Cys	Lys	Ser	
		115					120					125				

Cys Ile Ser Gln Thr Pro Gly Ile Asn Leu Asp Leu Gly Ser Gly Val
 130 135 140
 Lys Val Lys Ile Ile Pro Lys Glu Glu His Cys Lys Met Pro Glu Ala
 145 150 155 160
 Gly Glu Glu Gln Pro Gln Val
 165

<210> 1922
 <211> 507
 <212> DNA
 <213> Homo sapiens

<400> 1922
 atgcagcatc accaccatca ccaccggtgc cagcggcatg gaccttcttg tctcgtcacg 60
 gccataacta gggaggaagg agggccgagg agtggagggg ctgaggcgaa gctgggggtg 120
 tgttgggggt atccgagtc cagaagcacc tggaaccccg acagaagatt ctggactccc 180
 cagacgggac caggagaggg acggcatgag cgacacacac aaacacagaa ccacacagcc 240
 agtcccagga gccagtaaat ggagagcccc aaaaagaaga accagcagct gaaagtccgg 300
 atcctacacc tgggcagcag acagaagaag atcaggatac agctgagatc ccagtgcgcg 360
 acatggaagg tgatctgcaa gagctgcac agtcaaacac cggggataaa tctggatttg 420
 ggttccggcg tcaaggtgaa gataatacct aaagaggaac actgtaaaat gccagaagca 480
 ggtgaagagc aaccacaagt ttaatga 507

<210> 1923
 <211> 3192
 <212> DNA
 <213> Homo sapiens

<400> 1923
 cccacgcgtc cggcggtcgc cgcgggattt ggagctgcct agcctcgagg tgcctttggc 60
 agcatgtaag cagctgtttg ccaagaacct aggtcactgc taagaaaggg tgccttcggg 120
 agaagagtgt ccagaggata ccaatgccag atgcactctg agttacactc agcactcgca 180
 gtatgagaca ttgtgtgcca gcatctcttt ccttctggca aagactgtag ctctccaggt 240
 aggaggatcc tggaaactgt gagcaccagg agccttgcca gaggaggatg gggccagata 300
 tgaactctct accatgaaca tggttctcgg cttatgaagg aattttaagt aaaacagtta 360
 ttttaatttc acatattcaa gtcaaaagcc ttctgtgtga agtgccagtg attaccctc 420
 cacaggagtt atcaggattt ttctggcacc aagtttaatt cttcttcgta cttctggtag 480
 tgacagatct gcagggcaga tttatctggt gaatgctctt gggcaggaaa accatgtaaa 540
 acctctgga gacagcatcag gacagcagag cagagccccc gtcctcactg ctacttgca 600
 cagaaactcc atctggactc ggatgctttt actgaagacc catctagctt caatcatctt 660
 tagagtccat ccattctgga gagacctggc gtttgagctt gcctcctgtg gccgtgtttt 720
 tctgtcattc tgttcccagg ctttctattc aggcgggtga aggggtgtga ctttggaatg 780
 gggtttgctg ttcttcggga acttgcttcc ttccctggc tgggtgctgc aggaaggacc 840
 atctgaaggc tgcaatttgt tcttagggag gcagggtgct gcctggcctg gatcttccac 900
 catgttccct ttgctgcctt ttgatagcct gattgtcaac cttctgggca tctccctgac 960
 tgtcctcttc accctccttc tgcgtttcat catagtcca gccatttttg gagtctcctt 1020
 tggatccgc aaactctaca tgaaaagtct gttaaaaatc tttgcgtggg ctaccttgag 1080
 aatggagcga ggagccaagg agaagaacca ccagctttac aagccctaca ccaacggaat 1140
 cattgcaag gatccactt cactagaaga agagatcaaa gagattcgtc gaagtggtag 1200
 tagtaaggct ctggacaaca ctccagagtt cgagctctct gacattttct acttttgccg 1260
 gaaaggaatg gagaccatta tggatgatga ggtgacaaag agattctcag cagaagaact 1320
 ggagtccctg aacctgctga gcagaaccaa ttataacttc cagtacatca gccttcgggt 1380

```
<210> 1924
<211> 2048
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(2048)  
<223> n = A,T,C or G
```

<400> 1924						
gccggaagcg	cgcgagagacc	atgtagttag	accctcgcca	ggtctgagag	tactggagc	60
taccagaagc	atcatggggc	cctggggaga	gccagagctc	ctggtgtggc	gccccgagc	120
ggtagcttca	gagcctccag	tgctgtggg	gctggaggtg	aagttagggg	cctgtggtcg	180
gtctgtctga	ctcacctctc	ctgcagcct	tggttccatc	ggtgtgctgc	gccggacagg	240
agctaatacat	gaaggtccag	cttcccgcca	gaagccctcg	agcctaagta	gctgtttcgc	300
ggggggcgctc	tttttggcca	cttgtctcct	ggacctgctg	cctgactacc	tggtgccat	360
agatgaggcc	ctggcagcct	tgcacgtgac	gctccagttc	ccactgcaag	agttcatcct	420
ggcatgggc	ttcttcctgg	tcttggtgat	ggagcagatc	acactggtt	acaaggagca	480
gtcaggcgcc	tcacctctgg	aggaacaagg	ggctctgctg	ggaacagtga	atgggtggcc	540
cgagcattcg	catgatggc	cagggtccc	acaggcgagt	ggagccccag	caacctccctc	600
agccttgcgt	gcctgtgtac	tgggtttctc	cctggccctc	cactccgtgt	tcgaggggct	660

```
<210> 1925
<211> 456
<212> PRT
<213> Homo sapiens
```

Met	Phe	Leu	Leu	Leu	Pro	Phe	Asp	Ser	Leu	Ile	Val	Asn	Leu	Leu	Gly
				5					10					15	
Ile	Ser	Leu	Thr	Val	Leu	Phe	Thr	Leu	Leu	Leu	Val	Phe	Ile	Ile	Val
			20					25					30		
Pro	Ala	Ile	Phe	Gly	Val	Ser	Phe	Gly	Ile	Arg	Lys	Leu	Tyr	Met	Lys
		35					40					45			
Ser	Leu	Leu	Lys	Ile	Phe	Ala	Trp	Ala	Thr	Leu	Arg	Met	Glu	Arg	Gly
	50					55					60				
Ala	Lys	Glu	Lys	Asn	His	Gln	Leu	Tyr	Lys	Pro	Tyr	Thr	Asn	Gly	Ile
	65				70					75					80
Ile	Ala	Lys	Asp	Pro	Thr	Ser	Leu	Glu	Glu	Glu	Ile	Lys	Glu	Ile	Arg
				85					90					95	
Arg	Ser	Gly	Ser	Ser	Lys	Ala	Leu	Asp	Asn	Thr	Pro	Glu	Phe	Glu	Leu
			100					105					110		
Ser	Asp	Ile	Phe	Tyr	Phe	Cys	Arg	Lys	Gly	Met	Glu	Thr	Ile	Met	Asp
		115					120					125			
Asp	Glu	Val	Thr	Lys	Arg	Phe	Ser	Ala	Glu	Glu	Leu	Glu	Ser	Trp	Asn
						135					140				
Leu	Leu	Ser	Arg	Thr	Asn	Tyr	Asn	Phe	Gln	Tyr	Ile	Ser	Leu	Arg	Leu
145					150					155					160
Thr	Val	Leu	Trp	Gly	Leu	Gly	Val	Leu	Ile	Arg	Tyr	Cys	Phe	Leu	Leu
				165					170					175	
Pro	Leu	Arg	Ile	Ala	Leu	Ala	Phe	Thr	Gly	Ile	Ser	Leu	Leu	Val	Val

```
<210> 1926
<211> 324
<212> PRT
<213> Homo sapiens
```

<400> 1926																
Met	Gly	Pro	Trp	Gly	Glu	Pro	Glu	Leu	Leu	Val	Trp	Arg	Pro	Glu	Ala	
				5					10					15		
Val	Ala	Ser	Glu	Pro	Pro	Val	Pro	Val	Gly	Leu	Glu	Val	Lys	Leu	Gly	
			20					25					30			
Ala	Leu	Val	Leu	Leu	Leu	Val	Leu	Thr	Leu	Leu	Cys	Ser	Leu	Gly	Ser	
		35					40					45				
Ile	Gly	Val	Leu	Arg	Arg	Thr	Gly	Ala	Asn	His	Glu	Gly	Ser	Ala	Ser	
	50					55					60					
Arg	Gln	Lys	Ala	Leu	Ser	Leu	Val	Ser	Cys	Phe	Ala	Gly	Gly	Val	Phe	
	65				70					75					80	
Leu	Ala	Thr	Cys	Leu	Leu	Asp	Leu	Leu	Pro	Asp	Tyr	Leu	Ala	Ala	Ile	

85								90					95			
Asp	Glu	Ala	Leu	Ala	Ala	Leu	His	Val	Thr	Leu	Gln	Phe	Pro	Leu	Gln	
100								105					110			
Glu	Phe	Ile	Leu	Ala	Met	Gly	Phe	Phe	Leu	Val	Leu	Val	Met	Glu	Gln	
115								120					125			
Ile	Thr	Leu	Ala	Tyr	Lys	Glu	Gln	Ser	Gly	Pro	Ser	Pro	Leu	Glu	Glu	
130								135					140			
Thr	Arg	Ala	Leu	Leu	Gly	Thr	Val	Asn	Gly	Gly	Pro	Gln	His	Trp	His	
145								150					155			
Asp	Gly	Pro	Gly	Val	Pro	Gln	Ala	Ser	Gly	Ala	Pro	Ala	Thr	Pro	Ser	
165								170					175			
Ala	Leu	Arg	Ala	Cys	Val	Leu	Val	Phe	Ser	Leu	Ala	Leu	His	Ser	Val	
180								185					190			
Phe	Glu	Gly	Leu	Ala	Val	Gly	Leu	Gln	Arg	Asp	Arg	Ala	Arg	Ala	Met	
195								200					205			
Glu	Leu	Cys	Leu	Ala	Leu	Leu	Leu	His	Lys	Gly	Ile	Leu	Ala	Val	Ser	
210								215					220			
Leu	Ser	Leu	Arg	Leu	Leu	Gln	Ser	His	Leu	Arg	Ala	Gln	Val	Val	Ala	
225								230					235			
Gly	Cys	Gly	Ile	Leu	Phe	Ser	Cys	Met	Thr	Pro	Leu	Gly	Ile	Gly	Leu	
245								250					255			
Gly	Ala	Ala	Leu	Ala	Glu	Ser	Ala	Gly	Pro	Leu	His	Gln	Leu	Ala	Gln	
260								265					270			
Ser	Val	Leu	Glu	Gly	Met	Ala	Ala	Gly	Thr	Phe	Leu	Tyr	Ile	Thr	Phe	
275								280					285			
Leu	Glu	Ile	Leu	Pro	Gln	Glu	Leu	Ala	Ser	Ser	Glu	Gln	Arg	Ile	Leu	
290								295					300			
Lys	Val	Ile	Leu	Leu	Leu	Ala	Gly	Phe	Ala	Leu	Leu	Thr	Gly	Leu	Leu	
305								310					315			
320								325					330			
Phe	Ile	Gln	Ile													